FUJ¦FILM

DIGITAL CAMERA

Owner's Manual



Introduction

Thank you for your purchase of this product. Be sure that you have read this manual and understood its contents before using the camera. Keep the manual where it will be read by all who use the product.

For the Latest Information

For the latest information on this product, including the latest versions of the manuals and sample color photographs, visit:

http://fujifilm-dsc.com/manuals/



The site can be accessed not only from your computer but also from smartphones and tablets.





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Supplied Accessories

The following are included with the camera:

- NP-W126S rechargeable battery
- BC-W126 battery charger
- Body cap
- Metal strap clips (× 2)
- Clip attaching tool
- Protective covers (× 2)
- Shoulder strap
- Owner's Manual (this manual)

If you purchased a lens kit, check that a lens is included.

About This Manual

This manual contains instructions for your FUJIFILM X-T20 digital camera. Be sure you have read and understood its contents before proceeding.

Symbols and Conventions

The following symbols are used in this manual:

- Information that should be read to prevent damage to the product.
- Additional information that may be helpful when using the product.
 - Pages on which related information may be found.

Menus and other text in the displays are shown in **bold**. Illustrations are for explanatory purposes only; drawings may be simplified, while photographs are not necessarily taken with the model of camera described in this manual.

Terminology

The optional SD, SDHC, and SDXC memory cards the camera uses to store pictures are referred to as "memory cards". The electronic viewfinder may be referred to as the "EVF" and the LCD monitor as the "LCD".

Before You Begin



Parts of the Camera



The Serial Number Plate

Do not remove the serial number plate, which provides the FCC ID, KC mark, serial number, and other important information.

The Selector

Press the selector up (\blacktriangle), right (\blacktriangleright), down (\triangledown), or left (\triangleleft) to highlight items. The up, down, left, and right buttons also double as function buttons **Fn2** through **Fn5** (\blacksquare 248).



Control Lock-

To prevent accidental operation of the selector and **Q** button during shooting, press **MENU/OK** until **A** is displayed. The controls can be unlocked by pressing **MENU/OK** until **A** is no longer displayed.

The Shutter Speed Dial

The shutter speed dial is used to choose the shutter speed.



The Exposure Compensation Dial

Rotate the dial to choose an exposure compensation amount.



The Drive Dial

Rotate the dial to choose from the following the drive modes.



| Mode | | Mode | |
|---------------------------|----|--------------------------------|-----|
| 😭 Movie | 54 | S Single frame | 48 |
| BKT1 BKT2 Bracketing | 94 | Adv.1 Adv.2 Advanced filter | 99 |
| CH High-speed burst | 97 | Multiple exposure | 101 |
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The Auto Mode Selector Lever

Switch between auto and manual modes.



Position



Mode Select from P (program AE), S (shutter-priority AE), A (aperture-priority AE), and M (manual) modes (62, 64, 69, 72). Adjust shutter speed and aperture using program shift (mode P) or set shutter speed and/or aperture manually (modes S, A, and M).



Auto mode. The camera adjusts settings automatically according to the option selected by rotating the front command dial. Choose from modes suited to specific subject types () 74), or select state AD-VANCED SR AUTO to let the camera automatically match the mode to the subject () 74). Scene selection is not available in drive modes Adv.1, Adv.2, , and).



Restrictions may apply to camera settings depending on the mode and shooting conditions.

The Command Dials

Rotate or press the command dials to:

Front command dial

| Rotate | Select menu tabs or page through menus. Adjust aperture. Select a scene when shooting in auto mode. Adjust exposure compensation when C is selected with exposure compensation dial. View other pictures during playback. |
|--------|--|
| Press | Switch back and forth between aperture and exposure compensation when C is selected with the exposure compensation dial. |

Rear command dial

| | Highlight menu items. |
|----------|---|
| | • Choose the desired combination of shutter speed |
| Rotate | and aperture (program shift). |
| NGC | Choose a shutter speed. |
| Cartiner | Adjust settings in the quick menu. |
| | Choose the size of the focus frame. |
| | • Zoom in or out in full-frame or multi-frame playback. |
| Duran | • Zoom in on the active focus point during playback. |
| Press | • Perform the function assigned to the <i>DIAL</i> function |
| | button. |
| | • Press and hold to choose the manual focus mode fo- |
| | cus display. |

The Indicator Lamp

When the viewfinder is not in use, camera status is shown by the indicator lamp.



| Indicator lamp | Camera status |
|----------------|--|
| Glows green | Focus locked. |
| Blinks green | Focus or slow shutter speed warning. Pictures can |
| Dilliks green | be taken. |
| Blinks green | Recording pictures. Additional pictures can be tak- |
| and orange | en. |
| Glows orange | Recording pictures. No additional pictures can be |
| | taken at this time. |
| Blinks orange | Flash charging; flash will not fire when picture is taken. |
| Blinks red | Lens or memory error. |
| | |

Warnings may also appear in the display.

The LCD Monitor

The LCD monitor can be tilted for easier viewing, but be careful not to touch the wires or trap fingers or other objects behind the monitor. Touching the wires could cause camera malfunction.



Before You Begin

The LCD monitor also functions as a touch screen (E 22, 144).

Focusing the Viewfinder

The camera is equipped with diopter adjustment in the range -4 to $+2 \text{ m}^{-1}$ to accommodate individual differences in vision. Rotate the diopter adjustment control until the viewfinder display is in sharp focus.



Camera Displays

This section lists the indicators that may be displayed during shooting.

For illustrative purposes, displays are shown with all indicators lit.

Electronic Viewfinder/LCD Monitor



Camera Displays

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| 2 Depth-of-field preview | 22 Exposure compensation |
| 3 Location data download | 23 Aperture63, 69, 72 |
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| (16) Control lock | (37) Self-timer indicator |
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| (18) Histogram | 39 Flash (TTL) mode |
| (19) Distance indicator | Flash compensation |
| (20) Battery level | |

* Shows "9999" if there is space for over 9999 frames.

Control Lock-

Pressing a locked control displays a 😭 icon.



1 Before You Begin

Choosing a Display Mode

Press the **VIEW MODE** button to cycle through the following display modes:

• Several Sensor: Putting your eye to the viewfinder turns the view-



finder on and the LCD monitor off; taking your eye away turns the viewfinder off and LCD monitor on.

- EVF ONLY: Viewfinder on, LCD monitor off.
- LCD ONLY: LCD monitor on, viewfinder off.
- EVF ONLY + .: Putting your eye to the viewfinder turns the viewfinder on; taking it away turns the viewfinder off. The LCD monitor remains off.

The Eye Sensor-

The eye sensor may respond to objects other than your eye or to light shining directly on the sensor.



Before You Begir

Adjusting Display Brightness

The brightness and hue of the viewfinder and LCD monitor can be adjusted using the items in the SCREEN SETTING menu. Choose EVF BRIGHT-NESS or EVF COLOR to adjust viewfinder brightness or hue, LCD BRIGHTNESS or LCD COLOR to do the same for the LCD monitor.

The Viewfinder Display

When **ON** is selected for **C** SCREEN SETTING > EVF AUTOROTATE DISPLAYS, the indicators in the viewfinder automatically rotate to match camera orientation.

The display in the LCD monitor is unaffected.

The DISP/BACK Button

The **DISP/BACK** button controls the display of indicators in the view-finder and LCD monitor.



Viewfinder








Customizing the Standard Display

To choose the items shown in the standard display:

- **1** Display standard indicators. Use the DISP/BACK button to display standard indicators.
- 2 Select DISP. CUSTOM SETTING. Select SCREEN SETTING > DISP. CUSTOM SETTING in the setup menu.
- 3 Choose items.

Highlight items and press **MENU/OK** to select or deselect.

- FRAMING GUIDELINE
- ELECTRONIC LEVEL
- FOCUS FRAME
- AF DISTANCE INDICATOR
- MF DISTANCE INDICATOR
- HISTOGRAM
- SHOOTING MODE
- APERTURE/S-SPEED/ISO
- INFORMATION
 BACKGROUND
- Expo. Comp. (Digit)
- Expo. Comp. (Scale)
- FOCUS MODE
- PHOTOMETRY

- SHUTTER TYPE
- FLASH
- CONTINUOUS MODE
- DUAL IS MODE
- TOUCH SCREEN MODE
- WHITE BALANCE
- FILM SIMULATION
- DYNAMIC RANGE
- FRAMES REMAINING
- IMAGE SIZE/QUALITY
- MOVIE MODE & REC. TIME
- BATTERY LEVEL
- FRAMING OUTLINE

1

Before You Begir

4 Save changes. Press DISP/BACK to save changes.

5 Exit the menus.

Press **DISP/BACK** as needed to exit the menus and return to the shooting display.

Virtual Horizon-

Selecting **ELECTRONIC LEVEL** displays a virtual horizon. The camera is level when the two lines overlap. Note that the virtual horizon may not be displayed if the camera lens is pointed up or down.



Framing Outline

Enable **FRAMING OUTLINE** to make the borders of the frame easier to see against dark backgrounds.



Using the Menus

To display the menus, press MENU/OK.



To navigate the menus:

- **1** Press **MENU/OK** to display the menus.
- 2 Press the selector left to highlight the tab for the current menu.



IMAGE QUALITY SETTING 1/3

- 3 Press the selector up or down to highlight the tab ([™], [™], [™], [™], [™], [™], [™] or [™]) containing the desired item.
- 4 Press the selector right to place the cursor in the menu.
- Use the front command dial to select menu tabs or page through menus and the rear command dial to highlight menu items.

Touch Screen Mode

Use touch controls for shooting or playback.

Shooting Touch Controls

Touch controls can be used for such operations as choosing the focus area and taking photographs. The operation performed can be selected by tapping the



touchscreen mode indicator in the display to cycle through the following options:

| Mode | Description |
|---------|---|
| | Tap your subject in the display to focus and release the shutter. |
| L AF | Tap to select a focus point. In focus mode S (AF-S), focus will lock, while in focus mode C (AF-C), the camera will continually adjust focus in response to changes in the distance to the subject. |

| AREA Tap to select a point for focus or ze frame will move to the selected point OFF | |
|---|---------------|
| | |
| Touch controls off. The display doe when tapped. | s not respond |

Touch control settings can be adjusted using AF/ MF SETTING > TOUCH SCREEN MODE (E 144). To disable touch controls and hide the touch screen mode indicator, select OFF for BUTTON/DIAL SETTING > TOUCH SCREEN SETTING.

Playback Touch Controls

When **ON** is selected for **B BUTTON/DIAL SETTING** > **TOUCH SCREEN SETTING**, touch controls can be used for the following playback operations:

- Swipe: Swipe a finger across the display to view other images.
- **Pinch-out**: Place two fingers on the display and spread them apart to zoom in.
- **Pinch-in**: Place two fingers on the display and slide them together to zoom out.

Pictures can be zoomed out until the entire image is visible but no further.

• **Double-tap**: Tap the display twice to zoom in on the selected area.









• **Drag**: View other areas of the image during playback zoom.





First Steps

Attaching the Strap

Attach the strap clips to the camera and then attach the strap.

1 Open a strap clip.

Use the clip attaching tool to open a strap clip, making sure that the tool and clip are in the orientations shown.



- 2 Place the strap clip on an eyelet. Hook the strap eyelet in the clip opening. Remove the tool, using the other hand to keep the clip in place.
 - Keep the tool in a safe place, as you will need it to open the strap clips when removing the strap.



Attaching the Strap

- **3** Pass the clip through the eyelet. Rotate the clip fully through the eyelet until it clicks closed.
- 4 Attach a protective cover.

Place a protective cover over the eyelet as shown, with the black side of the cover toward the camera.

5 Fasten the strap.

Insert the strap through a protective cover and strap clip and fasten as shown.

To avoid dropping the camera, be sure the strap is correctly secured.

Repeat Steps 1–5 for the second eyelet.







Attaching a Lens

The camera can be used with lenses for the FUJIFILM X-mount.

Remove the body cap from the camera and the rear cap from the lens. Place the lens on mount, keeping the marks on the lens and camera aligned, and then rotate the lens until it clicks into place.



When attaching lenses, ensure that dust or other foreign matter does not enter the camera and be careful not to touch the camera's internal parts. Do not press the lens release button while attaching the lens and be sure the latch has securely clicked into place.

Removing Lenses

 (\mathbf{I})

To remove the lens, turn the camera off, then press the lens release button and rotate the lens as shown.

To prevent dust accumulating on the lens or inside the camera, replace the lens caps and camera body cap when the lens is not attached.



Lenses and Other Optional Accessories

The camera can be used with lenses and accessories for the FUJIFILM X-mount.

Before attaching or removing (exchanging) lenses, attach the lens caps and check that the lenses are free of dust and other foreign matter. Do not change lenses in direct sunlight or under another bright light source, as light focused into the interior of the camera could cause it to malfunction.

Charging the Battery

The battery is not charged at shipment. Before use, charge the battery in the supplied battery charger.

- An NP-W126S rechargeable battery is supplied with the camera. Charging takes about 150 minutes.
 - **1** Place the battery in the charger. Place the battery in the supplied battery charger as shown.



2 Plug the charger in.

Plug the charger into an indoor power outlet. The charging indicator will light.



3 Charge the battery.

Remove the battery when charging is complete.

| The Charging Indicator | | | | | |
|--|---|--|--|--|--|
| The charging indicator shows battery charge status as follows: | | | | | |
| | | | | | |
| | | | | | |
| Battery status | Action | | | | |
| Battery not | Insert the battery. | | | | |
| inserted. | insent the battery. | | | | |
| Battery fully | Pamova the battony | | | | |
| charged. | Remove the battery. | | | | |
| Battery charging. | _ | | | | |
| Pattony fault | Unplug the charger and | | | | |
| Dattery Idult. | remove the battery. | | | | |
| | tor shows batter Battery status Battery not inserted. Battery fully charged. | | | | |

The supplied AC cord is for use exclusively with the supplied battery charger. Do not use the supplied charger with other cords or the supplied cord with other devices.

Do not affix labels or other objects to the battery. Failure to observe this precaution could make it impossible to remove the battery from the camera.

Do not short the battery terminals. The battery could overheat.

Read the cautions in "The Battery and Power Supply".

Use only battery chargers designated for use with the battery. Failure to observe this precaution could result in product malfunction.

Do not remove the labels from the battery or attempt to split or peel the outer casing.

The battery gradually loses its charge when not in use. Charge the battery one or two days before use. If the battery fails to hold a charge, it has reached the end of its charging life and must be replaced.

Unplug the charger when it is not in use.

Remove dirt from the battery terminals with a clean, dry cloth. Failure to observe this precaution could prevent the battery from charging.

Note that charging times increase at low temperatures.

-Charging via Computer-

The battery also charges if the camera is connected to a computer. Turn the camera off, insert the battery, and connect a USB cable as shown, making sure the connectors are fully inserted. The charging time of about 300 minutes is not affected by the type of cable used.



Charging status is shown by the indicator lamp.

| Indicator lamp | Battery status |
|----------------|-------------------|
| On | Battery charging |
| Off | Charging complete |
| Blinks | Battery fault |

Connect the camera directly to the computer; do not use a USB hub or keyboard. Charging stops if the computer enters sleep mode; to resume charging, activate the computer and disconnect and reconnect the USB cable. Charging may not be supported depending on the model of computer, computer settings, and the computer's current state.

Inserting Batteries and Memory Cards

After charging the battery, insert the battery and memory card as described below.

- **1 Open the battery-chamber cover.** Slide the battery-chamber latch as shown and open the battery-chamber cover.
 - Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could damage image files or memory cards.

Do not use excessive force when handling the battery-chamber cover.



2 Insert the battery.

Using the battery to keep the battery latch pressed to one side, insert the battery contacts first in the direction shown by the arrow. Confirm that the battery is securely latched.

Insert the battery in the orientation shown. Do not use force or attempt to insert the battery upside down or backwards. The battery will slide in easily in the correct orientation.



3 Insert the memory card.

Holding the card in the orientation shown, slide it in until it clicks into place at the back of the slot.

Be sure card is in the correct orientation; do not insert at an angle or use force.



4 Close the battery-chamber cover. Close and latch the cover.

If the cover does not close, check that the battery is in the correct orientation. Do not attempt to force the cover shut.



Removing the Battery-

Before removing the battery, *turn the camera off* and open the battery-chamber cover.

To remove the battery, press the battery latch to the side, and slide the battery out of the camera as shown.



The battery may become hot when used in high-temperature environments. Observe caution when removing the battery.

Removing Memory Cards

Before removing memory cards, *turn the camera off* and open the battery-chamber cover.

Press and release the card to eject it part way (to prevent the card falling from the slot, press the center of the card and release it slowly, without removing your finger from the card). The card can then be removed by hand.



Compatible Memory Cards

FUJIFILM and SanDisk SD, SDHC, and SDXC memory cards have been approved for use in the camera; UHS-I is supported. Cards with a UHS speed class of 3 or better are recommended for movies. A complete list of approved memory cards is available at *http://www. fujifilm.com/support/digital_cameras/compatibility/*. Operation is not guaranteed with other cards. The camera can not be used with xD-Picture Cards or MultiMediaCard (MMC) devices.

Do not turn the camera off or remove the memory card while the memory card is being formatted or data are being recorded to or deleted from the card. Failure to observe this precaution could damage the card.

Memory cards can be locked, making it impossible to format the card or to record or delete images. Be-



fore inserting a memory card, slide the write-protect switch to the unlocked position.

Format memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device.

Memory cards are small and can be swallowed; keep out of reach of children. If a child swallows a memory card, seek medical assistance immediately.

miniSD or microSD adapters that are larger or smaller than memory cards may not eject normally; if the card does not eject, take the camera to an authorized service representative. Do not forcibly remove the card.

Do not affix labels or other objects to memory cards. Peeling labels can cause camera malfunction.

Movie recording may be interrupted with some types of memory card.

Formatting a memory card in the camera creates a folder in which pictures are stored. Do not rename or delete this folder or use a computer or other device to edit, delete, or rename image files. Always use the camera to delete pictures; before editing or renaming files, copy them to a computer and edit or rename the copies, not the originals. Renaming the files on the camera can cause problems during playback.

Turning the Camera On and Off

Use the **ON/OFF** switch to turn the camera on and off.

Rotate the switch to **ON** to turn the camera on, or to **OFF** to turn the camera off.



- Fingerprints and other marks on the lens or viewfinder can affect pictures or the view through the viewfinder. Keep the lens and viewfinder clean.
- Press the D button to start playback. Press the shutter button halfway to return to shooting mode.

The camera will turn off automatically if no operations are performed for the length of time selected for **POWER MANAGEMENT** > **AUTO POWER OFF**. To reactivate the camera after it has turned off automatically, press the shutter button halfway or turn the **ON/OFF** switch to **OFF** and then back to **ON**.

Checking the Battery Level

After turning the camera on, check the battery level in the display.

| Battery level is shown as follows: | | |
|------------------------------------|--------------------------------|--|
| Indicator | Description | |
| (| Battery partially discharged. | |
| 4 | Battery about 80% full. | |
| 4 | Battery about 60% full. | |
| 4 10 | Battery about 40% full. | |
| | Battery about 20% full. | |
| | Low battery. Charge as soon as | |
| (red) | possible. | |
| Ū | Battery exhausted. Turn camera | |
| (blinks red) | off and recharge battery. | |



Basic Setup

A language-selection dialog is displayed the first time the camera is turned on.

1 Turn the camera on.

A language-selection dialog will be displayed.



2 Choose a language. Highlight a language and press MENU/OK.



3 Set the date and time.

Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. To change the order in which the



year, month, and day are displayed, highlight the date format and press the selector up or down. Press **MENU/OK** to exit to shooting mode when settings are complete.



If the battery is removed for an extended period, the camera clock will be reset and the language-selection dialog will be displayed when the camera is turned on.

Skipping the Current Step-

Press DISP/BACK to skip the current step. Any steps you skip will be displayed the next time the camera is turned on.

Choosing a Different Language

To change the language:

- 1 Display language options. Select ☑ USER SETTING > 言語/LANG..
- 2 Choose a language. Highlight the desired option and press MENU/OK.

Changing the Time and Date

To set the camera clock:

1 Display DATE/TIME options. Select 2 USER SETTING > DATE/TIME.

2 Set the clock.

Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. Press **MENU/OK** to set the clock.

Basic Photography and Playback

Taking Photographs (Mode P)

This section describes how to take pictures using program AE (mode **P**). See pages 62–73 for information on **S**, **A**, and **M** modes.

1 Adjust settings for program AE.



- 1) Auto mode selector lever (7): Select ●.
- 2) Shutter speed () 62): Select A (auto).
- 3 Drive mode (5 6): Select S (single frame).
- (4) Focus mode () 78): Select S (single AF).
- **(5)** Aperture () 62): Select A (auto).

2 Check the shooting mode.

Confirm that **P** appears in the display.



3 Ready the camera.

Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.

To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and AF-assist illuminator.

4 Frame the picture. Lenses with Zoom Rings-

Use the zoom ring to frame the picture in the display. Rotate the ring left to zoom out, right to zoom in.





5 Focus.

Press the shutter button halfway to focus.



If the subject is poorly lit, the AF-assist illuminator may light.



If the camera is able to focus, it will beep twice and focus area and focus indicator will glow green. Focus and exposure will lock while the shutter button is pressed halfway.

If the camera is unable to focus, the focus frame will turn red, **!AF** will be displayed, and the focus indicator will blink white.

6 Shoot.

Smoothly press the shutter button the rest of the way down to take the picture.



Viewing Pictures

Pictures can be viewed in the viewfinder or LCD monitor.

To view pictures full frame, press **D**.



Additional pictures can be viewed by pressing the selector left or right or rotating the front command dial. Press the selector or rotate the dial right to view pictures in the order recorded, left to view pictures in reverse order. Keep the selector pressed to scroll rapidly to the desired frame.

Pictures taken using other cameras are marked with a ("gift image") icon to warn that they may not display correctly and that playback zoom may not be available.

Deleting Pictures

Use the 面 button to delete pictures.

- Deleted pictures can not be recovered. Copy important pictures to a computer or other storage device before proceeding.
 - 1 With a picture displayed full frame, press the m button and select FRAME.



2 Press the selector left or right to scroll through pictures and press MENU/OK to delete (a confirmation dialog is not displayed). Repeat to delete additional pictures.

Protected pictures can not be deleted. Remove protection from any pictures you wish to delete () 188).

Pictures can also be deleted from the menus using the **PLAY BACK MENU** > **ERASE** option (**E** 183).
Movie Recording and Playback

Movie Recording and Playback

Recording Movies

This section describes how to film movies in auto mode.

Rotate the drive dial to 🕿.

Protate the auto mode selector lever to AUTO to shoot movies in St ADVANCED SR AUTO mode.



? Press the shutter button to start recording. A recording indicator (
) and the time remaining are displayed while recording is in progress.





4 Press the button again to end recording. Recording ends automatically when the maximum length is reached or the memory card is full.

-Using an External Microphone-

Sound can be recorded with external microphones that connect using jacks 2.5 mm in diameter; microphones that require bus power can not be used. See the microphone manual for details.



Sound is recorded via the built-in microphone or an optional external microphone. Do not cover the microphone during recording. Note that the microphone may pick up lens noise and other sounds made by the camera during recording.

Vertical or horizontal streaks may appear in movies containing very bright subjects. This is normal and does not indicate a malfunction.

The indicator lamp lights while recording is in progress. During recording, you can change exposure compensation by up to ±2 EV and adjust zoom using the zoom ring on the lens (if available).

If the lens is equipped with an aperture mode switch, select the aperture mode before beginning recording. If an option other than **A** is selected, shutter speed and aperture can be adjusted while recording is in progress.

Recording may be unavailable at some settings, while in other cases settings may not apply during recording.

Recording Movies

Adjusting Movie Settings

Frame size and rate can be selected using MOV-IE SETTING > MOVIE MODE, while the card used to store movies can be selected using SAVE DATA SETTING > MOVIE FILE DESTINATION. Focus mode is selected using the focus mode selector; for continuous focus adjustment, select C, or choose S and enable Intelligent Face Detection. Intelligent Face Detection is not available in focus mode M.

Depth of Field

Choose low f-numbers to soften background details.

Viewing Movies

View movies on the camera.

In full-frame playback, movies are identified by a \mathbf{E} icon.

The following operations can be performed while a movie is displayed:

| | Playback in | Playback | |
|----------|------------------|----------------|--|
| Selector | progress (🔼) | paused (🛄) | |
| | End playback | | |
| - | ▼ Pause playback | Start/resume | |
| • | | playback | |
| | Adjust speed | Single frame | |
| | | rewind/advance | |





Progress is shown in the display during playback.

Do not cover the speaker during playback.



Viewing Movies

Press MENU/OK to pause playback and display volume controls. Press the selector up or down to adjust the volume; press MENU/OK again to resume playback. Volume can also be adjusted using SOUND SETTING > PLAYBACK VOLUME.





Taking Photographs

Choosing a Shooting Mode

For control over shutter speed and aperture (P, S, A, and M modes), rotate the auto mode selector lever to \bullet . Rotate the lever to **AUTO** to choose from modes suited to specific subject types, or select size **ADVANCED SR AUTO** to let the camera automatically match the mode to the subject.

Mode P: Program AE

Let the camera choose shutter speed and aperture for optimal exposure. Other values that produce the same exposure can be selected with program shift.



Adjust settings as follows: ① Auto mode selector lever: ●

- Shutter speed: A (auto)
- 3 Aperture: A (auto)

Choosing a Shooting Mode





If the subject is outside the metering range of the camera, the shutter speed and aperture displays will show "- - -".



Mode S: Shutter-Priority AE

Choose a shutter speed and let the camera adjust aperture for optimal exposure.



Adjust settings as follows:

1) Auto mode selector lever: ●

(2) Shutter speed: Choose a shutter speed

3 Aperture: A (auto)

Confirm that **S** appears in the display.



If the correct exposure can not be achieved at the selected shutter speed, aperture will be displayed in red. If the subject is outside the metering range of the camera, the aperture display will show "- - -".



At settings other than **180X**, shutter speed can also be adjusted in increments of ¹/₃ EV by rotating the rear command dial. Shutter speed can be adjusted even while the shutter button is pressed halfway.

Sensitivity and Depth of Field-

If you choose a fast shutter speed when the subject is poorly lit, the camera autoexposure program will select a wider aperture. This will produce the correct exposure but may also reduce depth of field so that less of the area behind and in front of your subject appears to be in focus. To stop aperture down and increase depth of field, select a higher sensitivity.



Time (T)

Rotate the shutter speed dial to T (time) to choose slow shutter speeds for long time-exposures. Use of a tripod is recommended to prevent the camera moving during the exposure.

1 Rotate the shutter speed dial to T.

- 2 Rotate the rear command dial to choose a shutter speed.
- 3 Press the shutter button all the way down to take a picture at the selected shutter speed. A countdown timer will be displayed while the exposure is in progress.
- To reduce "noise" (mottling) in long time-exposures, select ON for IMIMAGE QUALITY SETTING > LONG EXPOSURE NR. Note that this may increase the time needed to record images after shooting.



Bulb (B)

Select a shutter speed of **B** (bulb) for long time-exposures in which you open and close the shutter manually. Use of a tripod is recommended to prevent the camera moving during the exposure.

1 Rotate the shutter speed dial to **B**.



2 Press the shutter button all the way down. The shutter will remain open for up to 60 minutes while the shutter button is pressed; the display shows the time elapsed since the exposure started.

Selecting an aperture of **A** fixes shutter speed at 30 s.

To reduce "noise" (mottling) in long time-exposures, select **ON** for **IMAGE QUALITY SETTING** > **LONG EXPOSURE NR**. Note that this may increase the time needed to record images after shooting.

Using a Remote Release

An optional RR-90 remote release can be used for long time-exposures. The RR-90 connects via the Micro USB (Micro-B) USB 2.0 connector.

Alternatively, electronic releases from third-party suppliers can be connected via the microphone/remote release connector (ø2.5 mm 3-pole mini jack).

Third-party mechanical releases connect as shown.

A confirmation dialog will be displayed when a third-party release is connected; press MENU/OK and select @ REMOTE for MIC/REMOTE RELEASE.





CHECK MIC/REMOTE RELEASE SETTING

GIA SET (UK) SKI

Mode A: Aperture-Priority AE

Choose an aperture and let the camera adjust shutter speed for optimal exposure.



Adjust settings as follows:

- 1) Auto mode selector lever: ●
- 2) Shutter speed: A (auto)
- 3 Aperture: Select S and rotate the lens aperture ring to adjust aperture

Confirm that **A** appears in the display.



- If the correct exposure can not be achieved at the selected aperture, shutter speed will be displayed in red. If the subject is outside the metering range of the camera, the shutter speed display will show "- -".
 - Aperture can be adjusted even while the shutter button is pressed halfway.

Previewing Depth of Field

When **PREVIEW DEPTH OF FIELD** is assigned to a function button, pressing the button stops aperture down to the selected setting, allowing depth of field to be previewed in the display.



If both **AF DISTANCE INDICATOR** and **MF DISTANCE INDICATOR** are selected in the **DISTANCE INDICATOR** are selected in the **DISCREEN SET-TING** > **DISP. CUSTOM SETTING** list, depth of field can also be previewed using the depth-of-field indicator in the standard display. Use the **DISP/BACK** button to display standard indicators.



Use the **M AF/MF SETTING** > **DEPTH-OF-FIELD SCALE** option to choose how depth of field is displayed. Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.

 \bigcirc

Choosing a Shooting Mode

-Sensitivity and Motion Blur-

If you choose a narrow aperture when the subject is poorly lit, the shutter speed selected by the autoexposure program may not be fast enough to prevent motion blur. For faster shutter speeds that reduce motion blur, select a higher sensitivity.



Mode M: Manual Exposure

Alter exposure from that selected by the camera.



Adjust settings as follows:

- 1) Auto mode selector lever: ●
- (2) Shutter speed: Choose a shutter speed
- (3) Aperture: Select 🦃 and rotate the lens aperture ring to adjust aperture

Confirm that M appears in the display. The amount the picture would be under- or over-exposed at current settings is shown by the exposure indicator; adjust shut-



ter speed and aperture until the desired exposure is reached.

At settings other than **180X**, shutter speed can also be adjusted in increments of 1/3 EV by rotating the front command dial.

Choosing a Shooting Mode

Exposure Preview

To preview exposure in the LCD monitor, select an option other than **OFF** for **SCREEN SETTING** > **PREVIEW EXP./ WB IN MANUAL MODE**. Select **OFF** when using the flash or on other occasions on which exposure may change when the picture is taken.



Auto Mode

Auto mode offers options suited to particular subject types.



Adjust settings as follows: (1) Auto mode selector lever: AUTO (2) Drive dial: S (single frame)

The currently-selected scene appears in the display. Rotate the front command dial (or use the SHOOTING SETTING > SCENE POSITION item in the shooting



menu) to choose from the following options:

| Mode | Description | | |
|---------------|--|--|--|
| Sta⁺ ADVANCED | The camera automatically optimizes settings to | | |
| SR AUTO | suit the scene. | | |
| PORTRAIT | Choose for portraits. | | |

| Mode | Description | | |
|--------------------|---|--|--|
| 🛞 PORTRAIT | Processes portraits to give the subject a smooth, | | |
| ENHANCER | natural-looking complexion. | | |
| LANDSCAPE | Choose for daylight shots of buildings and land | | |
| | scapes. | | |
| 🛠 SPORT | Choose when photographing moving subjects. | | |
| C NIGHT | Choose for poorly lit twilight or night scenes. | | |
| [₽] NIGHT | Choose this mode for slow shutter speeds when | | |
| (TRIPOD) | shooting at night. | | |
| FIREWORKS | Slow shutter speeds are used to capture the ex- | | |
| | panding burst of light from a firework. | | |
| 🛎 SUNSET | Choose this mode to record the vivid colors in | | |
| | sunrises and sunsets. | | |
| * ∰ ∗ SNOW | Choose for crisp, clear shots that capture the | | |
| | brightness of scenes dominated by shining | | |
| | white snow. | | |
| ▲Ƴ BEACH | Choose for crisp, clear shots that capture the | | |
| | brightness of sunlit beaches. | | |
| ✓ UNDERWATER | Reduces the blue cast typically associated with | | |
| | underwater lighting. | | |
| Y PARTY | Capture indoor background lighting under low- | | |
| | light conditions. | | |
| ✤ FLOWER | Effective for taking more vivid shots of flowers. | | |
| TEXT TEXT | Take clear pictures of text or drawings in print. | | |

ങ്ങ⁺ ADVANCED SR AUTO

The scene selected by the camera in state ADVANCED SR AUTO mode is shown by an icon in the display.

- መ Auto
- 🛆 LANDSCAPE
- 🕒 NIGHT
- 🚱 NIGHT (TRIPOD)
- 🕑 MACRO
- 🕲 SUNSET
- 🍪 SKY
- 🕐 SKY & GREENERY
- BACKLIT PORTRAIT

- ORTRAIT&MOTION
- 🕙 BEACH
- SNOW
- O GREENERY
- 🖸 PORTRAIT
- 🕥 MOVING OBJECT
- BACKLIT PORTRAIT& MOTION

The mode selected may vary with shooting conditions. If the mode and subject do not match, select a scene manually.





Take pictures using autofocus.

1 Rotate the focus mode selector to **S** or **C** (2010) 78).



- 2 Use AF/MF SETTING > AF MODE to choose an AF mode (2010) 80).
- 3 Choose the position and size of the focus frame (2) 82).



4 Take pictures.

For information on the autofocus system, visit: http://fujifilm-x.com/af/en/index.html

Focus Mode

Use the focus mode selector to choose how the camera focuses.



Choose from the following options:

| | J | | |
|----------------------|---|--|--|
| Mode | Description | | |
| S | Single AF: Focus locks while the shutter button is pressed | | |
| (AF-S) | halfway. Choose for stationary subjects. | | |
| C (AF-C) | Continuous AF : Focus is continually adjusted to reflect changes in the distance to the subject while the shutter button is pressed halfway. Use for subjects that are in motion. Eve-detection AF is not available. | | |
| M (manual) | Manual : Focus manually using the lens focus ring. Choose for manual control of focus or in situations in which the camera is unable to focus using autofocus (🗐 87). | | |

Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.

If **ON** is selected for **Margin AF/MF SETTING > PRE-AF**, focus will be adjusted continuously in modes **S** and **C** even when the shutter button is not pressed.

Autofocus

The Focus Indicator-

The focus indicator turns green when the subject is in focus and blinks white when the camera is unable to focus. Brackets ("()") indicate that the camera is focusing and are displayed continuously in mode **C**. We is displayed in manual focus mode.



Autofocus Options (AF Mode)

Choose how the camera focuses in modes S and C.

- 1 Press MENU/OK and go to the shooting menu.
- 2 Select I AF/MF SETTING > AF MODE.
- 3 Choose an AF mode.

How the camera focuses depends on the focus mode.

Focus Mode S (AF-S)

| Option | Description | Sample image | | |
|--------------------------|--|---|--|--|
| • SINGLE POINT | Camera focuses on subject in se- lected focus point. Use for pin- point focus on selected subject. | | | |
| [1] ZONE | Camera focuses on subject in select- ed focus zone. Focus zones include multiple focus points, making it eas- ier to focus on subjects in motion. | A CONTRACT OF A | | |
| []] Wide/ Tracking | Camera focuses automatically on high-contrast subjects; display shows areas in focus. | | | |

This feature can also be accessed via shortcuts (
242).

Focus Mode C (AF-C)

| Option | Description | Sample image |
|-------------|---|--------------|
| | Focus tracks subject at selected fo- cus point. Use for subjects moving toward or away from camera. | |
| [1] ZONE | Focus tracks subject in selected fo- cus zone. Use for subjects that are moving fairly predictably. | |
| | Focus tracks subjects moving through wide area of frame. | |

Focus-Point Selection

Choose a focus point for autofocus.

Viewing the Focus-Point Display

- 1 Press MENU/OK and go to the shooting menu.
- 2 Select AF/MF SETTING > FOCUS AREA to view the focus-point display.
- 3 Use the selector and rear command dial to choose a focus area (2) 83).

Selecting a Focus Point

Use the selector to choose the focus point and the rear command dial to choose the size of the focus frame. The procedure varies with the option selected for AF mode.



| | Selector | DISP/BACK button | Rear command dial | |
|----------|--------------|---------------------|-------------------|------------------|
| AF mode | | DISP BACK | | |
| ode | Press | Press | Rotate | Press |
| | | | Choose from | |
| <u> </u> | Soloct focus | Select center | 5 frame sizes | Restore original |
| | point | focus point | Choose from | size |
| ••• | point | iocus point | 3 frame sizes | |
| [] | | | _ | _ |

Manual focus-point selection is not available when **WIDE/TRACKING** is selected in focus mode **S**.

The focus-point display varies with the option selected for AF mode.



S Focus frames are shown by small squares (\Box), focus zones by the large squares.



using **AF/MF SET-** 3 × 3 focus points.

TING > NUMBER OF THE FOCUS POINTS. MENU/OK.

Available Focus Points

TTL contrast-detect AF offers more focus points ((1)) than intelligent hybrid AF ((2)), which combines phase-detection with TTL contrast-detect AF.



Autofocus

Burst Mode Focus-Frame Selection

When continuous high-speed (**CH**) is selected for drive mode, the number of focus frames available in focus mode C drops.



Autofocus

Although the camera boasts a high-precision autofocus system, it may be unable to focus on the subjects listed below.

- Very shiny subjects such as mirrors or car bodies.
- Subjects photographed through a window or other reflective object.
- Dark subjects and subjects that absorb rather than reflect light, such as hair or fur.
- Insubstantial subjects, such as smoke or flame.
- Subjects that show little contrast with the background.
- Subjects positioned in front of or behind a high-contrast object that is also in the focus frame (for example, a subject photographed against a backdrop of highly contrasting elements).

Checking Focus-

To zoom in on the current focus area for precise focus, press the center of the rear command dial. Press the center of the rear command dial again to cancel zoom.





Normal display

Focus zoom

5 Taking Photographs

In focus mode S, zoom can be adjusted by rotating the rear command dial when STANDARD or FOCUS PEAK HIGHLIGHT is selected for AF/MF SETTING > MF ASSIST (11) 141). Focus zoom is not available in focus mode C or when AF/MF SETTING > PRE-AF is on or an option other than SINGLE POINT is selected for AF MODE.

Use **BUTTON/DIAL SETTING** > **Fn/AE-L/AF-L BUT-TON SETTING** to change the function performed by the center of the command dial or assign its default function to other controls.

Manual Focus

Adjust focus manually.

1 Rotate the focus mode selector to M.

ME will appear in the display.

- 2 Focus manually using the lens focus ring. Rotate the ring left to reduce the focus distance, right to increase.
- 3 Take pictures.
 - Use **BUTTON/DIAL SETTING** > **FOCUS RING** to reverse the direction of rotation of the focus ring.

Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.







Quick Focus

To use autofocus to focus on the subject in the selected focus area, press the button to which focus lock or AF-ON has been assigned (the size of the focus area can be chosen with the rear command dial). In manual focus mode, you can use this feature to quickly focus on a chosen subject using either single or continuous AF according to the option chosen for **M AF/MF SETTING** > **INSTANT AF SETTING**.
Checking Focus

A variety of options are available for checking focus in manual focus mode.

The Manual Focus Indicator

The manual focus indicator indicates how closely the focus distance matches the distance to the subject in the focus brackets. The white line indicates the distance to the subject in the focus area (in



meters or feet according to the option selected for **SCREEN SETTING** > **FOCUS SCALE UNITS** in the setup menu), the blue bar the depth of field, or in other words the distance in front of and behind the subject that appears to be in focus.

Focus Zoom

If ON is selected for AF/MF SETTING > FOCUS CHECK, the camera will automatically zoom in on the selected focus area when the focus ring is rotated.



MF Assist

The **AF/MF SETTING** > **MF ASSIST** option can be used to check focus when pictures are framed in the I CD monitor or electronic viewfinder in manual focus mode.



The **MF ASSIST** menu can be displayed by pressing and holding the center of the rear command dial.

The following options are available:

- FOCUS PEAK HIGHLIGHT: Highlights high-contrast outlines. Rotate the focus ring until the subject is highlighted.
- DIGITAL SPLIT IMAGE: Displays a split image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the four parts of the split image are correctly aligned.





Exposure Compensation

Adjust exposure.

Rotate the exposure compensation dial.

The amount of compensation available varies with the shooting mode.



C (Custom)

When the exposure compensation dial is rotated to **C**, exposure compensation can be adjusted by rotating the front command dial.



The front command dial can be used to set exposure compensation to values between -5 and +5 EV.

The front command dial can be used to set aperture or exposure compensation. Press the dial to toggle between the two.

Focus/Exposure Lock

Compose photographs with off-center subjects.

1 Focus: Position the subject in the focus frame and press the shutter button halfway to lock focus and exposure. Focus and exposure will remain locked while the shutter button is pressed halfway (AF/AE lock).



2 Recompose: Keep the shutter button pressed halfway.



- 3 Shoot: Press the button all the way down.
- Focus lock using the shutter button is only available when ON is selected for BUTTON/DIAL SETTING > SHUTTER AF, SHUTTER AE.

The AF-L and AE-L Buttons

Focus and exposure can also be locked with the **AF-L** and **AE-L** buttons. At default settings, the **AF-L** button locks focus, the **AE-L** button exposure. Focus and/or exposure will remain locked while the button is pressed, whether or not the shutter button is pressed halfway.



The roles of the buttons can be changed using the following **BUTTON/DIAL SETTING** options:

- Fn/AE-L/AF-L BUTTON SETTING: Choose the roles played by the AE-L and AF-L buttons.
- AE/AF-LOCK MODE: If AE&AF ON/OFF SWITCH is selected for AE/AF-LOCK MODE, focus and/or exposure lock when the button is pressed and remain locked until the button is pressed again.



Automatically vary settings over a series of pictures.

1 Rotate the drive dial to **BKT1** or **BKT2**.



2 Navigate to DRIVE SETTING in the SHOOTING SETTING menu and select AE BKT, Imes ISO BKT, Imes FILM SIMULATION BKT, Imes WHITE BALANCE BKT, or Imes DYNAMIC RANGE BKT.



This feature can also be accessed via shortcuts (1) 242).

3 Take photographs.

AE BKT

Select a bracketing amount (options range from \pm ¹/₃ to \pm 2 EV in increments of ¹/₃ EV). Each time the shutter button is pressed, the camera will take three shots: one using the metered value for exposure, the second overexposed by the selected amount, and the third underexposed by the same amount.



Regardless of the bracketing amount, exposure will not exceed the limits of the exposure metering system.

ISO BKT

Select a bracketing amount $(\pm 1, \pm \frac{2}{3}, \text{ or } \pm \frac{1}{3})$. Each time the shutter is released, the camera will take a picture at the current sensitivity and process it to create two additional copies, one with sensitivity raised and the other with sensitivity lowered by the selected amount

FILM SIMULATION BKT

Each time the shutter is released, the camera takes one shot and processes it to create copies with different film simulation settings, chosen using SHOOT-ING SETTING > BKT SETTING > FILM SIMULATION BKT.

🖭 WHITE BALANCE BKT

Select a bracketing amount $(\pm 1, \pm 2, \text{ or } \pm 3)$. Each time the shutter is released, the camera takes one shot and processes it to create three copies: one at the current white balanced setting, one with fine-tuning increased by the selected amount, and another with fine-tuning decreased by the selected amount.

DYNAMIC RANGE BKT

Each time the shutter button is pressed, the camera takes three shots with different dynamic ranges: 100% for the first, 200% for the second, and 400% for the third.

While dynamic range bracketing is in effect, sensitivity will be restricted to a minimum of ISO 800 (or to a minimum of ISO 200 to 800 when an auto option is selected for sensitivity); the sensitivity previously in effect is restored when bracketing ends.



Continuous Shooting (Burst Mode)

Capture motion in a series of pictures.

 Rotate the drive dial to select CH (high-speed burst) or CL (low-speed burst).



2 Navigate to DRIVE SETTING in the SHOOTING SETTING menu and choose a frame advance rate.



🚫 This feature can also be accessed via shortcuts (242).

3 Take photographs. The camera will take pictures while the shutter button is pressed; shooting ends when the shutter button is released or the memory card is full.

If file numbering reaches 999 before shooting is complete, the remaining pictures will be recorded to a new folder.

Burst shooting may not begin if the space available on the memory card is insufficient.

Frame rate varies with the subject, shutter speed, sensitivity, and focus mode. Frame rates may slow and recording times increase as more shots are taken.

The flash turns off automatically; the previously-selected flash mode is restored when burst shooting is disabled.

Focus and Exposure—

Select focus mode C to vary focus with shot; to vary exposure with each shot, select OFF for BUTTON/DIAL SETTING > SHUTTER AE.

Selecting CH restricts the choice of focus frames in focus mode C and limits Intelligent Face Detection to the area used for intelligent hybrid AF (TTL contrast-detect AF+phase-detection AF; = 84).

Exposure and focus tracking performance may vary with such factors as aperture, sensitivity, and exposure compensation.



Advanced Filters

Take photos with filter effects.

1 Rotate the drive dial to Adv.1 or Adv.2.



2 Navigate to DRIVE SETTING in the SHOOTING SETTING menu and choose a filter effect.



3 Take photographs.

Advanced Filter Options

Choose from the following filters:

| enouse normale following inters. | | | |
|--|--|--|--|
| Filter | Description | | |
| 🞧 TOY CAMERA | Choose for a retro toy camera effect. | | |
| A MINIATURE | The tops and bottoms of pictures are | | |
| WINIAI UKE | blurred for a diorama effect. | | |
| 🙉 POP COLOR | Create high-contrast images with sat- | | |
| | urated colors. | | |
| 🅼 HIGH-KEY | Create bright, low-contrast images. | | |
| EOW-KEY | Create uniformly dark tones with few | | |
| | areas of emphasized highlights. | | |
| G DYNAMIC TONE | Dynamic tone expression is used for a | | |
| | fantasy effect. | | |
| SOFT FOCUS | Create a look that is evenly soft | | |
| SOFT JUFI FUCUJ | throughout the whole image. | | |
| 🕰 PARTIAL COLOR (RED) | | | |
| Section (1997) Section (1997) A section (1997) Sect | Areas of the image that are the select- | | |
| Section (Artial Color (Article) | n ed color are recorded in that color. All | | |
| 🕰 PARTIAL COLOR (GREEN) | other areas of the image are recorded | | |
| 🕰 PARTIAL COLOR (BLUE) | in black-and-white. | | |
| A PARTIAL COLOR (PURPLE) | 1 | | |

Depending on the subject and camera settings, images may in some cases be grainy or vary in brightness or hue.



Multiple Exposures

Create a photograph that combines two exposures.



1 Rotate the drive dial to 🖻.



- 2 Take the first shot.
- 3 Press MENU/OK. The first shot will be shown superimposed on the view through the lens and you will be prompted to take the second shot.



To return to Step 2 and retake the first shot, press the selector left. To save the first shot and exit without creating a multiple exposure, press DISP/BACK.

- **4** Take the second shot, using the first frame as a guide.
- 5 Press MENU/OK to create the multiple exposure, or press the selector left to return to Step 4 and retake the second shot.







Panoramas

Follow an on-screen guide to create a panorama.

1 Rotate the drive dial to 🗀.



- 2 To select the size of the angle through which you will pan the camera while shooting, press the selector left. Highlight a size and press **MENU/OK**.
- 3 Press the selector right to view a choice of pan directions. Highlight a pan direction and press MENU/OK.
- 4 Press the shutter button all the way down to start recording. There is no need to keep the shutter button pressed during recording.
- 5 Pan the camera in the direction shown by the arrow. Shooting ends automatically when the camera is panned to the end of the guides and the panorama is complete.



For Best Results

For best results, use a lens with a focal length of 35 mm or less (50 mm or less in 35 mm format). Prop your elbows against your sides and move the camera slowly in a small circle at a steady speed, keeping the camera parallel or at right angles to the horizon and being careful only to pan in the direction shown by the guides. Use a tripod for best results. If the desired results are not achieved, try panning at a different speed.

If the shutter button is pressed all the way down before the panorama is complete, shooting will end and no panorama may be recorded. Shooting may also be interrupted if the camera is panned too quickly or too slowly. Panning the camera in a direction other than that shown cancels shooting.

Panoramas are created from multiple frames; if **ON** is selected for **CBUTTON/DIAL SETTING** > **SHUTTER AE**, exposure for the entire panorama is determined by the first frame. The camera may in some cases record an greater or lesser angle than selected or be unable to stitch the frames together perfectly. The last part of the panorama may not be recorded if shooting ends before the panorama is complete.

The desired results may not be achieved with moving subjects, subjects close to the camera, unvarying subjects such as the sky or a field of grass, subjects that are in constant motion, such as waves and waterfalls, or subjects that undergo marked changes in brightness. Panoramas may be blurred if the subject is poorly lit.

Viewing Panoramas-

In full-frame playback, you can use the rear command dial to zoom panoramas in or out. Alternatively, you can play the panorama back using the selector.



Press the selector down to start playback and press again to pause. While playback is paused, you can scroll the panorama manually by pressing the selector left or right; vertical panoramas will scroll vertically, horizontal panoramas horizontally. To exit to full-frame playback, press the selector up.

Taking Photographs

Flash Photography

Use the built-in flash for additional lighting when shooting at night or indoors under low light.

- 1 Slide the **4** lever as shown to raise the flash.
 - Be careful not to injure yourself on the edges of the raised flash.
- 2 In the menus, navigate to
 If FLASH SETTING > FLASH
 FUNCTION SETTING to display options for the built-in flash.
 - This feature can also be accessed via shortcuts (1) 242).
- 3 Highlight items using the selector and rotate the rear command dial to change the highlighted setting () 109).
- 4 Press **DISP/BACK** to put the changes into effect.



Built-In Flas

TTL



Depending on the distance to the subject, some lenses may cast shadows in photos taken with the flash.

The flash will not fire at some settings, for example in panorama mode or when the electronic shutter is used.

Choose shutter speeds slower than 180X when using the flash in exposure mode **S** (shutter-priority AE) or manual (**M**).

Except in commander mode, the flash will fire several times with each shot. Do not move the camera until shooting is complete.

The flash will not fire if **OFF** is selected for **SOUND & FLASH** in the **Z USER SETTING** menu.

Flash Settings

The following settings are available with the built-in flash.



| Setting | Description | |
|------------------------|--|--|
| (1) Flash control mode | Choose from the following options: TTL: TTL mode. Adjust flash compensation (2) and choose a flash mode (3). M: The flash fires at the selected output (2) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from ¼ to ¼4. The desired results may not be achieved at low values if they exceed the limits of the flash control system; take a test shot and check the results. JE (COMMANDER): Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system. OFF: The flash does not fire. | |
| 2 Flash compen- | Adjust flash level. The options available vary with | |
| sation/output | the flash control mode (1). | |

| Setting | Description | | |
|-------------------------|---|--|--|
| (3) Flash mode (TTL) | Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P, S, A, or M) selected. 紙 (FLASH AUTO): The flash fires only as required; flash level is adjusted according to subject brightness. A ≦ icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken. 紙 (STANDARD): The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released. 紙 (SLOW SYNC.): Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released. | | |
| (4) Sync | Choose whether the flash is timed to fire imme- diately after the shutter opens (normality opension (normality) or immediately before it closes (normality). 1ST CURTAIN is recommended in most circum- stances. | | |

110

Red-Eye Removal

Red-eye removal is available when an option other than **OFF** is selected for **TALASH SETTING** > **RED EYE REMOVAL** and **TALASH SETTING** > **FACE/EYE DETECTION SETTING** is **ON**. Red-eye removal minimizes "red-eye" caused when light from the flash is reflected from the subject's retinas.

Flash Sync Speed-

The flash will synchronize with the shutter at shutter speeds of \mathcal{H}_{80} s or slower.

Optional Flash Units from FUJIFILM

The camera can be used with optional FUJIFILM shoe-mounted flash units.

Third-Party Flash Units

Do not use third-party flash units that apply over 300 V to the camera hot shoe.



The Shooting Menus

IMAGE QUALITY SETTING

Adjust image quality settings.

To display image quality settings, press **MENU/OK** in the shooting display and select the **ID** (**IMAGE QUALITY SETTING**) tab.

| | 10 IMAGE QUALITY SETTING 1/3 |
|----------|------------------------------|
| 10 | IMAGE SIZE |
| AF HF | IMAGE QUALITY |
| ÷ | RAW RECORDING |
| 6 | FILM SIMULATION |
| | GRAIN EFFECT |
| | DYNAMIC RANGE |
| F | WHITE BALANCE |
| MY | HIGHLIGHT TONE |
| | BACK EXT |



The options available vary with the shooting mode selected.

IMAGE SIZE

Choose the size and aspect ratio at which still pictures are recorded.

| Option | Image size | Option | lmage size | Option | Image size |
|--------|--------------------|--------|-------------|--------|--------------------|
| | 6000×4000 | | | | |
| | 4240 × 2832 | | | | |
| S 3:2 | 3008 × 2000 | S 16:9 | 3008 × 1688 | S 1:1 | 2000×2000 |

IMAGE SIZE is not reset when the camera is turned off or another shooting mode is selected.

Aspect Ratio-

Pictures with an aspect ratio of 3:2 have the same proportions as a frame of 35 mm film, while an aspect ratio of 16:9 is suited to display on **H**igh **D**efinition (HD) devices. Pictures with an aspect ratio of 1:1 are square.

IMAGE QUALITY

Choose a file format and compression ratio. Select FINE or NORMAL to record JPEG images, RAW to record RAW images, or FINE+RAW or NORMAL+RAW to record both JPEG and RAW images. FINE and FINE+RAW use lower JPEG compression ratios for higher-quality JPEG images, while NORMAL and NORMAL+RAW use higher JPEG compression ratios to increase the number of images that can be stored.

The Function Buttons

To toggle RAW image quality on or off for a single shot, assign **RAW** to a function button (1) 250). If a JPEG option is currently selected for image quality, pressing the button temporarily selects the equivalent JPEG+RAW option. If a JPEG+RAW option is currently selected, pressing the button temporarily selects the equivalent JPEG option, while if **RAW** is selected, pressing the button temporarily selects **FINE**. Taking a picture or pressing the button again restores the previous setting.

RAW RECORDING

Choose whether to compress RAW images.

| Option | Description | | |
|------------------------|---|--|--|
| UNCOMPRESSED | RAW images are not compressed. | | |
| LOSSLESS COMPRESSED | RAW images are compressed using a reversible algorithm that reduces file size with no loss of im- age data. The images can be viewed in RAW FILE CONVERTER EX 2.0 or other software that supports "lossless" RAW compression. | | |

FILM SIMULATION

Simulate the effects of different kinds of film, including black-and-white (with or without color filters). Choose a palette according to your subject and creative intent.

| Option | Description | |
|----------------|--|--|
| STD PROVIA/ | Standard color reproduction. Suited to a wide | |
| | range of subjects, from portraits to landscapes. | |
| Velvia/VIVID | A high-contrast palette of saturated colors, | |
| | suited to nature photos. | |
| | Enhances the range of hues available for skin | |
| ASTIA/SOFT | tones in portraits while preserving the bright | |
| SE ASTIA/SUFT | blues of daylight skies. Recommended for out- | |
| | door portrait photography. | |
| CLASSIC | Soft color and enhanced shadow contrast for | |
| CHROME | a calm look. | |
| | Offers slightly more contrast than Dr PRO | |
| 🕅冊 PRO Neg. Hi | Neg. Std. Recommended for outdoor portrait | |
| | photography. | |
| | A soft-toned palette. The range of hues avail- | |
| 📲 PRO Neg. Std | able for skin tones is enhanced, making this a | |
| | good choice for studio portrait photography. | |

| Option | Description | |
|--|-------------|--|
| ACROS Take black-and-white photos with rich tion and outstanding sharpness. | | |
| MONOCHROME [*] Take pictures in standard black and white | | |

SEPIR Take pictures in sepia.

* Available with yellow (**Ye**), red (**R**), and green (**G**) filters, which deepen shades of gray corresponding to hues complementary to the selected color. The yellow (**Ye**) filter deepens purples and blues and the red (**R**) filter blues and greens. The green (**G**) filter deepens reds and browns, including skin tones, making it a good choice for portraits.

Film simulation options can be combined with tone and sharpness settings.

Film simulation settings can also be accessed via shortcuts (
242).

For more information, visit: http://fujifilm-x.com/en/x-stories/ the-world-of-film-simulation-episode-1/

GRAIN EFFECT

Add a film grain effect. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn film grain off.

| Options | | |
|---------|------|-----|
| STRONG | WEAK | OFF |

DYNAMIC RANGE

Control contrast. Choose lower values to increase contrast when shooting indoors or under overcast skies, higher values to reduce loss of detail in highlights and shadows when photographing high-contrast scenes. Higher values are recommended for scenes that include both sunlight and deep shade, for such high-contrast subjects as sunlight on water, brightly-lit autumn leaves, and portraits taken against a blue sky, and for white objects or people wearing white; note, however, that mottling may appear in pictures taken at higher values.

| Options | | | | |
|---------------|------------------------------|------------------------------|---------------------------------------|--|
| A | UTO | ₿100 100% | £200 200% | R400 400% |
| ei aı w | ther #100 nd shoot | 100% or 2002 ing conditions. | 00% according Shutter speed | natically choose 1 to the subject 1 and aperture 1 ton is pressed |
| R | <u></u> | is available at | sensitivities o | f ISO 400 and |

200% is available at sensitivities of ISO 400 and above, 1400% at sensitivities of ISO 800 and above.

WHITE BALANCE

For natural colors, choose a white balance option that matches the light source.

| Option | Description | |
|---------------|---|--|
| AUTO | White balance is adjusted automatically. | |
| $O_1/O_2/O_3$ | Measure a value for white balance. | |
| К | Choose a color temperature. | |
| * | For subjects in direct sunlight. | |
| *2 | For subjects in the shade. | |
| ₩ĭ | Use under "daylight" fluorescent lights. | |
| | Use under "warm white" fluorescent lights. | |
| 業 | Use under "cool white" fluorescent lights. | |
| -Å- | Use under incandescent lighting. | |
| 5 44 | Reduces the blue cast typically associated with un- | |
| | derwater lighting. | |

Results vary with shooting conditions. Play pictures back after shooting to check colors.

White balance is adjusted for flash lighting only in **AUTO** and **modes**. Turn the flash off using other white balance options.

White balance options can also be accessed via shortcuts (22).

IMAGE QUALITY SETTING

Fine-Tuning White Balance

Pressing **MENU/OK** after selecting a white balance option displays the dialog shown at right; use the selector to fine-tune white balance or press **DISP/BACK** to exit without fine-tuning.



Custom White Balance

Choose \mathfrak{Q}_1 , \mathfrak{Q}_2 , or \mathfrak{Q}_3 to adjust white balance for unusual lighting conditions. White balance measurement options will be displayed; frame a white object so that it fills



the display and press the shutter button all the way down to measure white balance (to select the most recent custom value and exit without measuring white balance, press **DISP/BACK**, or press **MENU/OK** to select the most recent value and display the fine-tuning dialog).

- If "COMPLETED!" is displayed, press MENU/OK to set white balance to the measured value.
- If "UNDER" is displayed, raise exposure compensation and try again.
- If "OVER" is displayed, lower exposure compensation and try again.
K: Color Temperature

Selecting **K** in the white balance menu displays a list of color temperatures; highlight a color temperature and press **MENU/OK** to select the highlighted option and display the fine-tuning dialog.



Color Temperature

Color temperature is an objective measure of the color of a light source, expressed in Kelvin (K). Light sources with a color temperature close to that of direct sunlight appear white; light sources with a lower color temperature have a yellow or red cast, while those with a higher color temperature are tinged with blue. You can match color temperature to the light source, or choose options that differ sharply from the color of the light source to make pictures "warmer" or "colder."

HIGHLIGHT TONE

Adjust the appearance of highlights. Choose from seven options between +4 and -2.

| | | | Options | | | |
|----|----|----|---------|---|----|----|
| +4 | +3 | +2 | +1 | 0 | -1 | -2 |

SHADOW TONE

Adjust the appearance of shadows. Choose from seven options between +4 and -2.

| | | | Options | | | |
|----|----|----|---------|---|----|----|
| +4 | +3 | +2 | +1 | 0 | -1 | -2 |

COLOR

Adjust color density. Choose from nine options between +4 and -4.

| Options | | | | | | | | |
|---------|----|----|----|---|----|----|----|----|
| +4 | +3 | +2 | +1 | 0 | -1 | -2 | -3 | -4 |

SHARPNESS

Sharpen or soften outlines. Choose from nine options between +4 and -4.

| | | | | Options | | | | |
|----|----|----|----|---------|----|----|----|----|
| +4 | +3 | +2 | +1 | 0 | -1 | -2 | -3 | -4 |

NOISE REDUCTION

Reduce noise in pictures taken at high sensitivities. Choose from nine options between +4 and -4.

| Options | | | | | | | | |
|---------|----|----|----|---|----|----|----|----|
| +4 | +3 | +2 | +1 | 0 | -1 | -2 | -3 | -4 |

LONG EXPOSURE NR

Select **ON** to reduce mottling in long time-exposures.

| Opt | ions |
|-----|------|
| ON | OFF |

LENS MODULATION OPTIMIZER

Select **ON** to improve definition by adjusting for diffraction and the slight loss of focus at the periphery of the lens.



COLOR SPACE

Choose the gamut of colors available for color reproduction.

| Option | Description |
|-----------|---------------------------------|
| sRGB | Recommended in most situations. |
| Adobe RGB | For commercial printing. |

PIXEL MAPPING

Use this option if you notice bright spots in your pictures.

- 1 Press MENU/OK in the shooting display and select the IMAGE QUALITY SETTING tab.
- 2 Highlight PIXEL MAPPING and press MENU/OK to perform pixel mapping. Processing may take a few seconds.
- Results are not guaranteed.

Be sure the battery is fully charged before beginning pixel mapping.

Pixel mapping is not available when the camera temperature is elevated.

SELECT CUSTOM SETTING

Recall settings saved with EDIT/SAVE CUSTOM SET-TING. Settings can be recalled from any of the seven custom settings banks.

| Banks | | | | | |
|----------|---------------------|----------|--|----------|--|
| CUSTOM 1 | CUSTOM 2 CUSTOM 3 C | | | CUSTOM 4 | |
| CUSTOM 5 | | CUSTOM 6 | | CUSTOM 7 | |

EDIT/SAVE CUSTOM SETTING

Save up to 7 sets of custom camera settings for commonly-encountered situations. Saved settings can be recalled using IMAGE QUALITY SETTING > SELECT CUSTOM SETTING.

 Press MENU/OK in shooting mode to display the shooting menu. Select the IMAGE QUALITY SETTING tab, then highlight EDIT/SAVE CUSTOM SETTING and press MENU/OK.

IMAGE OUALITY SETTING **2** Highlight a custom settings

- bank and press MENU/OK to select.
- 3 Adjust the following as desired:
 - ISO

- HIGHLIGHT TONE
- DYNAMIC RANGE
 SHADOW TONE
- FILM SIMULATION
 COLOR
- GRAIN EFFECT
 SHARPNESS
- WHITE BALANCE
- NOISE REDUCTION
- 4 Press DISP/BACK. A confirmation dialog will be displayed; highlight OK and press MENU/OK.

No store current camera settings in the selected bank, highlight **SAVE CURRENT SETTINGS** in Step 3 and press MENU/OK.







AF/MF SETTING

Adjust focus settings.

To display focus settings, press MENU/OK in the shooting display and select the M (AF/MF SETTING) tab.

| I. | AFIMF SETTING 1/2 |
|-------|----------------------------|
| 1.0. | FOCUS AREA |
| AE, * | AF MODE |
| mr . | AF-C CUSTOM SETTINGS |
| 4 | AF POINT DISPLAY |
| | NUMBER OF THE FOCUS POINTS |
| 11 H | PRE-AF |
| ۶. | AF ILLUMINATOR |
| MY | FACE/EYE DETECTION SETTING |
| | BACK EXIT |



The options available vary with the shooting mode selected

FOCUS AREA

Choose the focus area for autofocus, manual focus, and focus zoom.

AF MODE

Choose the AF mode for focus modes S and C.

| Option | Description |
|-------------------------|--|
| • SINGLE POINT | The camera focuses on the subject in the selected focus point. The number of focus points available can be selected using AF/MF SETTING > NUMBER OF THE FOCUS POINTS . Use for pin-point focus on a selected subject. |
| [1] ZONE | The camera focuses on the subject in the selected focus zone. Focus zones include multiple focus points, mak- ing it easier to focus on subjects that are in motion. |
| [] WIDE/ TRACKING | In focus mode C , the camera tracks focus on the subject in the selected focus point while the shutter button is pressed halfway. In focus mode S , the camera automati- cally focuses on high-contrast subjects; the areas in focus are shown in the display. The camera may be unable to focus on small objects or subjects that are moving rapidly. |

AF-C CUSTOM SETTINGS

Select focus-tracking options for focus mode **C**. Choose from Sets 1–5 according to your subject.



| Option | Description |
|--|---|
| SET 1 STANDARD SETTING FOR MULTI- PURPOSE | A standard tracking option that works well with the typical range of moving subjects. |
| SET 2 IGNORE Obstacles & continue to track subject | The focus system attempts to track the chosen subject. Choose with subjects that are hard to keep in the focus area or if other objects are likely to enter the focus area with the subject. |
| SET 3 FOR | The focus system attempts to compensate for |
| ACCELERATING/ | subject acceleration or deceleration. Choose for |
| DECELERATING SUBJECT | subjects prone to rapid changes in velocity. |
| SET 4 FOR SUDDENLY Appearing subject | The focus system attempts to focus quickly on subjects entering the focus area. Choose for subjects that appear abruptly or when rapidly switching subjects. |
| SET 5 FOR ERRATICALLY | Choose for hard-to-track subjects prone not only |
| MOVING & ACCEL./ | to sudden changes in velocity but also to large |
| DECEL. SUBJECT | movements front to back and left to right. |

AF POINT DISPLAY 💷 🗔

Choose whether individual focus frames are displayed when **ZONE** or **WIDE/TRACKING** is selected for **M AF/MF SETTING** > **AF MODE**.



NUMBER OF THE FOCUS POINTS

Choose the number of focus points available for focus-point selection in manual focus mode or when SINGLE POINT is selected for AF MODE.

| Option | Description |
|-------------------|--|
| 91 POINTS | Choose from 91 focus points arranged in a 7- by 13-point |
| (7 × 13) | grid. |
| 325 POINTS | Choose from 325 focus points arranged in a 13- by |
| (13 × 25) | 25-point grid. |

PRE-AF

If **ON** is selected, the camera will continue to adjust focus even when the shutter button is not pressed halfway. Note that this increases the drain on the battery.



AF ILLUMINATOR

If **ON** is selected, the AF-assist illuminator will light to assist autofocus.

| Options | | |
|---------|--|----------------------------------|
| | ON | OFF |
| | The camera may be unable to focus using the AF-assist illuminator in some cases. If the camera is unable to focus, try increasing the distance to the subject. | |
| | Avoid shining the AF-assis subject's eyes. | t illuminator directly into your |

FACE/EYE DETECTION SETTING

Intelligent Face Detection sets focus and exposure for human faces anywhere in the frame, preventing the camera from focusing on the



background in group portraits. Choose for shots that emphasize portrait subjects. Faces can be detected with the camera in vertical or horizontal orientation; if a face is detected, it will be indicated by a green border. If there is more than one face in the frame, the camera will select the face closest to the center; other faces are indicated by white borders. You can also choose whether the camera detects and focuses on eyes when Intelligent Face Detection is on. Choose from the following options:

| Option | Description |
|-------------------------|--|
| FACE ON/EYE OFF | Intelligent Face Detection only. |
| FACE ON/ | The camera automatically chooses which eye to |
| EYE AUTO | focus on when a face is detected. |
| FACE ON/RIGHT | The camera focuses on the right eye of subjects |
| EYE PRIORITY | detected using Intelligent Face Detection. |
| FACE ON/LEFT | The camera focuses on the left eye of subjects de- |
| EYE PRIORITY | tected using Intelligent Face Detection. |
| FACE OFF/EYE OFF | Intelligent Face Detection and eye priority off. |

In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject.

If the subject moves as the shutter button is pressed, the face may not be in the area indicated by the green border when the picture is taken.

If the camera is unable to detect the subject's eyes because they are hidden by hair, glasses, or other objects, the camera will instead focus on faces.

Face/eye detection options can also be accessed via shortcuts (🗐 242).

AF+MF

If **ON** is selected in focus mode **S**, focus can be adjusted manually by rotating the focus ring while the shutter button is pressed halfway. Both standard and focus peaking MF assist options are supported.

| Options | |
|---------|-----|
| ON | OFF |

Lenses with a focus distance indicator must be set to manual focus mode (MF) before this option can be used. Selecting MF disables the focus distance indicator. Set the focus ring to the center of the focus distance indicator, as the camera may fail to focus if the ring is set to infinity or the minimum focus distance.

AF + MF Focus Zoom-

When **ON** is selected for **AF/MF SETTING** > **FOCUS CHECK** and **SINGLE POINT** selected for **AF MODE**, focus zoom can be used to zoom in on the selected focus area. The zoom ratio (2.5× or 6×) can be selected using the rear command dial.

MF ASSIST

Choose how focus is displayed in manual focus mode.

| Option | Description | |
|--|--|--|
| STANDARD | Focus is displayed normally (focus peaking and digital | |
| JIANUARU | split image are not available). | |
| | Displays a black-and-white (MONOCHROME) or | |
| | color (COLOR) split image in the center of the frame. | |
| SPLIT IMAGE | Frame the subject in the split-image area and rotate | |
| SPLIT IMAGE | the focus ring until the three parts of the split image | |
| | are correctly aligned. | |
| FOCUS PEAK The camera heightens high-contrast outlines. Ch | | |
| HIGHLIGHT | a color and peaking level. | |

FOCUS CHECK

cus zoom.

If **ON** is selected, the display will automatically zoom in on the selected focus area when the focus ring is rotated in manual focus mode.

| Options | | |
|------------------|----------------------------|-------------------------------|
| | ON | OFF |
| $(\underline{)}$ | Pressing the center of the | rear command dial cancels fo- |

6 The Shooting Menus

INTERLOCK SPOT AE & FOCUS AREA

Select **ON** to meter the current focus frame when **SINGLE POINT** is selected for **AF MODE** and **SPOT** is selected for **PHOTOMETRY**.



INSTANT AF SETTING

Choose whether the camera focuses using single AF (AF-S) or continuous AF (AF-C) when the AF-L button is pressed in manual focus mode.

| Options | |
|---------|------|
| AF-S | AF-C |

DEPTH-OF-FIELD SCALE

Choose **FILM FORMAT BASIS** to help you make practical assessments of depth of field for pictures that will be viewed as prints and the like, **PIXEL BASIS** to help you assess depth of field for pictures that will be viewed at high resolutions on computers or other electronic displays.



RELEASE/FOCUS PRIORITY

Choose how the camera focuses in focus mode **AF-S** or **AF-C**.

| Option | Description |
|--------|---|
| | Shutter response is prioritized over focus. Pictures can be taken when the camera is not in focus. |
| | Focus is prioritized over shutter response. Pictures can be only taken when the camera is in focus. |

TOUCH SCREEN MODE

Choose the shooting operations performed using touch controls.

Still Photography

| Mode | Description |
|----------------|---|
| TOUCH SHOOTING | Tap your subject in the display to focus and release the shutter. In burst mode, pictures will be taken while you keep your finger on the display. |
| AF AF | Tap to select a focus point. In focus mode S (AF-S), focus will lock, while in focus mode C (AF-C), the camera will continually adjust focus in response to changes in the distance to the subject. Focus lock and continuous focus can be ended by tapping the AF OFF icon. |
| AREA | Tap to select a point for focus or zoom. The focus frame will move to the selected point. |
| OFF OFF | Touch controls off. The display does not respond when tapped. |

Movie Recording

| Mode | Description |
|----------------|---|
| TOUCH SHOOTING | Tap your subject in the display to focus and start recording. In focus mode C (AF-C), the camera will continually adjust focus in response to changes in the distance to the subject; to refocus in focus mode S (AF-S) or to focus on a new subject in fo- cus mode C , tap the subject in the monitor. To end recording, press the shutter button. |
| AF Af | Tap your subject in the display to focus and press the shutter button to start or end recording. In focus mode C (AF-C), the camera will continually adjust focus in response to changes in the distance to the subject; to refocus in focus mode S (AF-S) or to focus on a new subject in focus mode C , tap the subject in the monitor. |

| Mode | Description |
|--------|---|
| | Tap to select a focus point and <i>press the shutter</i> |
| | <i>button to start or end recording</i> . In focus mode |
| AREA | C (AF-C), the camera will continually adjust focus |
| - 15 I | in response to changes in the distance to the sub- |
| | ject in the selected focus point. In focus mode ${f S}$ |
| | (AF-S), you can move the focus point by tapping |
| | the display, but can only refocus using the control |
| | to which AF-ON has been assigned (📺 225). |
| OFF | |
| OFF | Touch controls off. The display does not respond when tapped. |

To disable touch controls and hide the touch screen mode indicator, select OFF for DUTTON/DIAL SETTING > TOUCH SCREEN SETTING.



SHOOTING SETTING

Adjust shooting options.

To display shooting options, press MENU/OK in the shooting display and select the (SHOOTING SET-TING) tab.





The options available vary with the shooting mode selected.

SCENE POSITION

Choose the mode selected when the drive dial is rotated to **S** and the auto mode selector lever is rotated to **AUTO**.

| Mode | Description | |
|---------------|---|--|
| Sta⁺ ADVANCED | The camera automatically optimizes settings to | |
| SR AUTO | suit the scene. | |
| PORTRAIT | Choose for portraits. | |
| 🚱 PORTRAIT | Processes portraits to give the subject a smooth, | |
| ENHANCER | natural-looking complexion. | |
| LANDSCAPE | Choose for daylight shots of buildings and land- | |
| | scapes. | |
| 🦎 SPORT | Choose when photographing moving subjects. | |
| C NIGHT | Choose for poorly lit twilight or night scenes. | |

| Mode | Description | |
|--------------------|---|--|
| [₽] NIGHT | Choose this mode for slow shutter speeds when | |
| (TRIPOD) | shooting at night. | |
| FIREWORKS | Slow shutter speeds are used to capture the ex- | |
| | panding burst of light from a firework. | |
| 🛎 SUNSET | Choose this mode to record the vivid colors in | |
| | sunrises and sunsets. | |
| SNOW | Choose for crisp, clear shots that capture the | |
| | brightness of scenes dominated by shining | |
| | white snow. | |
| ▲Ĩ BEACH | Choose for crisp, clear shots that capture the | |
| | brightness of sunlit beaches. | |
| 👁 UNDERWATER | Reduces the blue cast typically associated with | |
| | underwater lighting. | |
| Ƴ PARTY | Capture indoor background lighting under low- | |
| | light conditions. | |
| ✤ FLOWER | Effective for taking more vivid shots of flowers. | |
| TEXT TEXT | Take clear pictures of text or drawings in print. | |

DRIVE SETTING

Adjust settings for the various drive modes.

| Option | Description | | | |
|---------------------|---|--|--|--|
| BKT1 SETTING | Choose the settings used when the drive dial is rotated | | | |
| BKT2 SETTING | to BKT1 or BKT2 (🚎 150). | | | |
| | Select the frame rate used when the drive dial is ro- | | | |
| CH HIGH | tated to CH (continuous high speed): 14, 11, or 8 fps. | | | |
| SPEED BURST | Note that 14fps and 11fps are available only with the | | | |
| | electronic shutter. | | | |
| CL LOW SPEED | Select the frame rate used when the drive dial is rotat- | | | |
| BURST | ed to CL (continuous low speed): 5, 4, or 3 fps. | | | |
| Adv. FILTER 1 | | | | |
| SELECT | Choose the filter used when the drive dial is rotated | | | |
| Adv. FILTER 2 | to Adv.1 or Adv.2 (📺 100). | | | |
| SETTING | | | | |

BKT SETTING

Choose bracketing settings for the **BKT1** and **BKT2** positions on the drive dial. Use **BKT SELECT** to choose a bracketing type and the **AE BKT**, **ISO BKT**, **FILM SIM-ULATION BKT**, and **WHITE BALANCE BKT** options to choose the bracketing amount for each type.

| Option | Description | | |
|--------------------|---|--|--|
| | Choose from 🖶 AE BKT, 🞯 ISO BKT, 🖭 FILM | | |
| BKT SELECT | SIMULATION BKT, 🖭 WHITE BALANCE | | |
| | BKT, and 🖭 DYNAMIC RANGE BKT. | | |
| AE BKT | Choose from ±1/3, ±1/3, ±11/3, ±11/3, and ±2. | | |
| ISO BKT | Choose from ±½ , ±¾ , and ±1 . | | |
| FILM SIMULATION | Choose the three film simulation types used for | | |
| BKT | film simulation bracketing (🗐 118). | | |
| WHITE DAI ANCE DUT | Choose from +1 +7 and +7 | | |

WHITE BALANCE BKT Choose from ±1, ±2, and ±3.

SELF-TIMER

Choose a shutter release delay.

| Option | Description |
|-----------|--|
| ୯≩ 2 SEC | The shutter is released two seconds after the shutter but- |
| | ton is pressed. Use to reduce blur caused by the camera |
| | moving when the shutter button is pressed. The self-tim- |
| | er lamp blinks as the timer counts down. |
| ്പ 10 SEC | The shutter is released ten seconds after the shutter but- |
| | ton is pressed. Use for photographs in which you wish to appear yourself. The self-timer lamp blinks immediately |
| | appear yourself. The self-timer lamp blinks immediately |
| | before the picture is taken. |
| OFF | Self-timer off. |

If an option other than **OFF** is selected, the timer will start when the shutter button is pressed all the way down. The display in the monitor shows the number of sec-



onds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.

Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.

The self-timer turns off automatically when the camera is turned off.

INTERVAL TIMER SHOOTING

Configure the camera to take photos automatically at a preset interval.

- Highlight INTERVAL TIMER SHOOTING in the I (SHOOT-ING SETTING) tab and press MENU/OK.
- 2 Use the selector to choose the interval and number of shots. Press MENU/OK to proceed.
- **3** Use the selector to choose the starting time and then press **MENU/OK**. Shooting will start automatically.







- Interval timer photography can not be used at a shutter speed of **B** (bulb) or with multiple exposure photography. In burst mode, only one picture will be taken each time the shutter is released

Use of a tripod is recommended.

Check the battery level before starting. We recommend using an optional AC-9V AC power adapter and CP-W126 DC coupler.

The display turns off between shots and lights a few seconds before the next shot is taken. The display can be activated at any time by pressing the shutter button.

To continue shooting until the memory card is full, set the number of shots to ∞

PHOTOMETRY

Choose how the camera meters exposure.

The selected option will only take effect when AF/MF SETTING > FACE/EYE DETECTION SETTING is OFF.

| Mode | Description |
|------------------------|--|
| [63] (multi) | The camera instantly determines exposure based on an analysis of composition, color, and brightness distribu- tion. Recommended in most situations. |
| (center- weighted) | The camera meters the entire frame but assigns the greatest weight to the area at the center. |
| [•] (spot) | The camera meters lighting conditions in an area at the center of the frame equivalent to 2% of the total. Rec- ommended with backlit subjects and in other cases in which the background is much brighter or darker than the main subject. |
| [] (average) | Exposure is set to the average for the entire frame. Pro- vides consistent exposure across multiple shots with the same lighting, and is particularly effective for landscapes and portraits of subjects dressed in black or white. |

SHUTTER TYPE

Choose the shutter type. Choose the electronic shutter to mute the shutter sound.

| Option | Description | | |
|--------------------------|---|--|--|
| MS MECHANICAL SHUTTER | Take pictures with the mechanical shutter. | | |
| ES ELECTRONIC Shutter | Take pictures with the electronic shutter. | | |
| | The camera chooses the shutter type according to shooting conditions. | | |

If an option other than **MS MECHANICAL SHUTTER** is selected, shutter speeds faster than ¹/₄₀₀₀ s can be chosen by rotating the shutter speed dial to **4000** and then rotating the rear command dial.

- Distortion may be visible in shots of moving subjects with electronic shutter, while banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination. When taking pictures with the shutter muted, respect your subjects' image rights and right to privacy.
- When the electronic shutter is used, the flash is disabled, shutter speed and sensitivity are restricted to values of ½2000-30 s and ISO 12800-200 respectively, and long exposure noise reduction has no effect.

IS MODE

Reduce blur.

| Option | Description | | |
|---------------|--|--|--|
| () CONTINUOUS | Image stabilization on. | | |
| | Image stabilization enabled only when the shutter button is pressed halfway (focus mode C) or the shutter is released. | | |
| | Image stabilization off; 🐲 appears in the display. Recommended when the camera is on a tripod. | | |

This option is available only with lenses that support image stabilization.

ISO

Adjust the camera's sensitivity to light.

| Option | Description | | | | |
|--|--|--|--|--|--|
| AUTO1 Auto2 Auto3 | Sensitivity is automatically adjusted in response to shooting conditions. | | | | |
| 12800-200 | Adjust sensitivity manually. Selected value is shown in display. | | | | |
| H (25600 or 51200), L (100) | Choose for special situations. Note that mottling may appear in pictures taken at H , while L reduces dynamic range. | | | | |

Sensitivity is not reset when the camera is turned off.

Adjusting Sensitivity

High values can be used to reduce blur when lighting is poor, while lower values allow slower shutter speeds or wider apertures in bright light; note, however, that mottling may appear in pictures taken at high sensitivities.

AUTO

Choose the base sensitivity, maximum sensitivity, and minimum shutter speed for AUTO1, AUTO2, and AUTO3. Defaults are shown below.

| | Default | | |
|---------------------|------------|--------|-------|
| Option | AUT01 | AUTO2 | AUT03 |
| DEFAULT SENSITIVITY | 200 | | |
| MAX. SENSITIVITY | 800 1600 3 | | 3200 |
| MIN. SHUTTER SPEED | | 1⁄60 S | |

The camera automatically chooses a sensitivity between the default and maximum values; sensitivity is only raised above the default value if the shutter speed required for optimal exposure would be slower than the value selected for **MIN. SHUTTER SPEED**.



If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for **MAX. SENSITIVITY**, **DEFAULT SENSITIVITY** will be set to the value selected for **MAX. SENSITIVITY**.

The camera may select shutter speeds slower than **MIN. SHUTTER SPEED** if pictures would still be underexposed at the value selected for **MAX. SENSITIVITY**. If **AUTO** is selected for **MIN. SHUTTER SPEED**, the camera will automatically choose a minimum shutter speed approximately equal to the inverse of the lens' focal length, in seconds (for example, if the lens has a focal length of 50 mm, the camera will choose a minimum shutter speed in the neighborhood of 1/50 s). The minimum shutter speed is not affected by the option selected for image stabilization.

MOUNT ADAPTOR SETTING

Adjust settings for M-mount lenses connected using an optional FUJIFILM M MOUNT ADAPTER.

Choosing a Focal Length

If the lens has a focal length of 21, 24, 28, or 35 mm, choose a matching option in the **MOUNT ADAP-TOR SETTING** menu.

For other lenses, select option 5 or 6 and use the selector to enter the focal length.




Distortion Correction

Choose from STRONG, MEDIUM, or WEAK options to correct BARREL or **PINCUSHION** distortion.

Color Shading Correction

Color (shading) variations between the center and edges of the frame can be adjusted separately for each corner.

To use color shading correction, follow the steps below.

- Rotate the rear command dial to choose a corner. The selected corner is indicated by a triangle.
- 2 Use the selector to adjust shading until there is no visible difference in color between the selected corner and the center of the image. Press the selector left or right to adjust colors on the cyanred axis. Press the selector up or down to adjust colors on the blue-yellow axis.

To determine the amount required, adjust color shading correction while taking photos of blue sky or a sheet of gray paper.







6

The Shooting Menus

Peripheral Illumination Correction

Choose from values between -5 and +5. Choosing positive values increases peripheral illumination, while choosing negative values reduces peripheral illumination.



Positive values are recommended for vintage lenses, negative values to create the effect of images taken with an antique lens or a pinhole camera.

To determine the amount required, adjust peripheral illumination correction while taking photos of blue sky or a sheet of gray paper.

WIRELESS COMMUNICATION

Connect to smartphones running the "FUJIFILM Camera Remote" app. The smartphone can be used to browse the images on the camera, download selected images, control the camera remotely, or upload location data to the camera.



For downloads and other information, visit: *http://fujifilm-dsc.com/wifi/*

FLASH SETTING

Adjust flash-related settings.

To display flash-related settings, press **MENU/OK** in the shooting display and select the **M** (**FLASH SET-TING**) tab.





The options available vary with the shooting mode selected.

FLASH FUNCTION SETTING

Choose a flash control mode, flash mode, or sync mode or adjust the flash level. The options available vary with the flash.



See page 257 for more information.

RED EYE REMOVAL

Remove red-eye effects caused by the flash.

| Option | Description | |
|---------|--|--|
| | A red-eye reduction pre-flash is combined with digital | |
| REMOVAL | red-eye removal. | |
| FLASH | Flash red-eye reduction only. | |
| REMOVAL | AL Digital red-eye removal only. | |
| OFF | Flash red-eye reduction and digital red-eye removal off. | |



Flash red-eye reduction can be used in TTL flash control mode. Digital red-eye removal is performed only when a face is detected and is not available with RAW images.

TTL-LOCK MODE

Instead of adjusting flash level with each shot, TTL flash control can be locked for consistent results across a series of photographs.

| Option | Description | | |
|----------------|--|--|--|
| LOCK WITH LAST | Flash output is locked at the value metered for | | |
| ELACH | the most recent photo. An error message will be | | |
| FLASH | displayed if no previously metered value exists. | | |
| LOCK WITH | The camera emits a series of pre-flashes and | | |
| METERING FLASH | locks flash output at the metered value. | | |

To use TTL lock, assign TTL-LOCK to a camera control and then use the control to enable or disable TTL lock (E 250).

Flash compensation can be adjusted while TTL lock is in effect.

LED LIGHT SETTING

Choose whether to use the flash unit's LED video light (if available) as a catchlight or AF-assist illuminator when taking photos.

| Option | Role of LED video light in still photography | |
|---|--|--|
| CATCHLIGHT Catchlight | | |
| AF ASSIST | AF-assist illuminator | |
| AF ASSIST + CATCHLIGHT AF-assist illuminator and catchlight | | |
| OFF None | | |
| This option can also be accessed via the flash settings | | |

This option can also be accessed via the flash settings menu.

MASTER SETTING

Choose a flash group (A, B, or C) for the flash mounted on the camera hot shoe when it functions as a master flash controlling remote flash units via FUJIFILM wireless optical flash control, or choose **OFF** to limit master flash output to a level that does not affect the final picture.

| Options | | | | |
|----------|-------------------|-----------------|------------------|------------------|
| | Gr A | Gr B | Gr C | OFF |
| (| This option menu. | n can also be a | accessed via the | e flash settings |

CH SETTING

Choose the channel used for communication between the master flash and remote flash units when using FUJIFILM optical wireless flash control. Separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.

| Options | | | |
|---------|-----|-----|-----|
| CH1 | CH2 | CH3 | CH4 |



MOVIE SETTING

Adjust movie-recording options.

To display options for movie recording, press **MENU/OK** in the shooting display and select the **M** (**MOVIE SETTING**) tab.





The options available vary with the shooting mode selected.

MOVIE MODE

Choose a frame size and rate for movie recording.

| Option | Frame size | Rate |
|----------------------|------------|-----------|
| 213 2160/29.97P | | 29.97 fps |
| 213 2160/25P | 3840×2160 | 25 fps |
| 2160/24P | (4K) | 24 fps |
| 2160/23.98P | . , | 23.98 fps |
| 1080/59.94P | | 59.94 fps |
| 1080/50P | | 50 fps |
| 1080/29.97P | 1920×1080 | 29.97 fps |
| 1080/25P | (Full HD) | 25 fps |
| 1080/24P | | 24 fps |
| 1080/23.98P | | 23.98 fps |
| ID 720/59.94P | | 59.94 fps |
| HD 720/50P | | 50 fps |
| HD 720/29.97P | 1280×720 | 29.97 fps |
| HD 720/25P | (HD) | 25 fps |
| HD 720/24P | . , | 24 fps |
| HD 720/23.98P | | 23.98 fps |
| | | |

MOVIE AF MODE

Choose how the camera selects the focus point for movie recording.

| Option | Description | |
|--------|---|--|
| MULTI | Automatic focus-point selection. | |
| AREA | The camera focuses on the subject in the selected focus area. | |

HDMI OUTPUT INFO DISPLAY

If **ON** is selected, HDMI devices to which the camera is connected will mirror the information in the camera display.

| Options | | |
|---------|-----|--|
| ON | OFF | |

4K MOVIE OUTPUT

Choose the destination for 4K movies shot while the camera is connected to an HDMI recorder or other device that supports 4K.

| Option | Description |
|---------|---|
| SD CARD | 4K movies are recorded to a camera memory card in 4K |
| | and output to the HDMI device in Full HD. |
| | 4K movies are output to the HDMI device in 4K, starting |
| | when the shutter button is pressed. The camera does not |
| | record 4K movies to a memory card. |

HDMI REC CONTROL

Choose whether the camera sends movie start and stop signals to the HDMI device when the shutter button is pressed to start and stop movie recording.

| Options | | |
|---------|-----|--|
| ON | OFF | |

MIC LEVEL ADJUSTMENT

Adjust the recording level for the built-in and external microphones.



| - |
|---|
|---|

Description

- **4—1** Choose a recording level.
- Displays shows the peak recording level detected in a given period.

You can assign **MIC LEVEL ADJUSTMENT** to a camera control and then using the control to adjust the microphone level during recording.

MIC/REMOTE RELEASE

Specify whether the device connected to the microphone/remote release connector is a microphone or a remote release.

| Options | | |
|---------|----------|--|
| 🛰 MIC | 🛱 REMOTE | |

Playback and the Playback Menu

The Playback Display

This section lists the indicators that may be displayed during playback.

For illustrative purposes, displays are shown with all indicators lit.



175

| 2 | Date and time |
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| | Advanced filter |
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| 16 | White balance | 2 |
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| 19 | Aperture | 2 |
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| | | |

The DISP/BACK Button

The **DISP/BACK** button controls the display of indicators during playback.





Favorites

Info display

Favorites: Rating Pictures-

To rate the current picture, press **DISP/BACK** and press the selector up and down to select from zero to five stars.

Viewing Photo Information

The photo information display changes each time the selector is pressed up.



Zooming in on the Focus Point

Press the center of the rear command dial to zoom in on the focus point. Press again to return to full-frame playback.



Viewing Pictures

Read this section for information on playback zoom and multi-frame playback.

Use the rear command dial to go from full-frame playback to playback zoom or multi-frame playback.



Full-frame playback Multi-frame playback Playback zoom ("Yaannaa DISP/BACK MENU/OK Nine-Medium frame zoom view Hundred-Maximum frame zoom view

Playback Zoom

Rotate the rear command dial right to zoom in on the current picture, left to zoom out. To exit zoom, press DISP/BACK, MENU/OK, or the center of the rear command dial.

The maximum zoom ratio varies with the option selected for IMAGE OUALITY SETTING > IMAGE SIZE. Playback zoom is not available with cropped or resized copies saved at a size of 640.

Scroll-

When the picture is zoomed in, the selector can be used to view areas of the image not currently visible in the display.



Navigation window

Multi-Frame Playback

To change the number of images displayed, rotate the rear command dial left when a picture is displayed full frame.

S Use the selector to highlight images and press MENU/OK to view the highlighted image full frame. In the nineand hundred-frame displays, press the selector up or down to view more pictures.

The Playback Menu

Adjust playback settings.

The playback menu is displayed when you press **MENU/OK** in playback mode.

| ۰. | | PLAY BACK MENU 1/2 | |
|----|---|------------------------|---|
| F | • | RAW CONVERSION | • |
| ۶ | | ERASE | |
| | | CROP | |
| | | RESIZE | |
| | | PROTECT | |
| | | IMAGE ROTATE | |
| | | RED EYE REMOVA | |
| | | WIRELESS COMMUNICATION | |
| | | BACK | |

RAW CONVERSION

RAW pictures store information on camera settings separately from the data captured by the camera image sensor. Using **PLAY BACK MENU** > **RAW CONVERSION**, you can create JPEG copies of RAW pictures using different options for the settings listed on page 182. The original image data are unaffected, allowing a single RAW image to be processed in a multitude of different ways.

1 With a RAW picture displayed, press **MENU/OK** to display the playback menu.

The Playback Menu

- 2 Press the selector up or down to highlight DPLAY BACK MENU > RAW CONVERSION and press MENU/OK to display settings.
 - These options can also be displayed by pressing the Q button during playback.
- 3 Press the selector up or down to highlight a setting and press the selector right to display options. Press the selector up or down to highlight the desired

option and press **MENU/OK** to select and return to the settings list. Repeat this step to adjust additional settings.

4 Press the Q button to preview the JPEG copy and press MENU/OK to save.





The settings that can be adjusted when converting pictures from RAW to JPEG are:

| Setting | Description | | | |
|-------------------------|--|--|--|--|
| REFLECT | Create a JPEG copy using the settings in effect at | | | |
| SHOOTING COND. | the time the photo was taken. | | | |
| PUSH/PULL PROCESSING | Adjust exposure. | | | |
| DYNAMIC RANGE | Enhance details in highlights for natural con- trast. | | | |
| FILM SIMULATION | Simulate the effects of different types of film. | | | |
| GRAIN EFFECT | Add a film grain effect. | | | |
| WHITE BALANCE | Adjust white balance. | | | |
| WB SHIFT | Fine-tune white balance. | | | |
| HIGHLIGHT TONE | Adjust highlights. | | | |
| SHADOW TONE | Adjust shadows. | | | |
| COLOR | Adjust color density. | | | |
| SHARPNESS | Sharpen or soften outlines. | | | |
| NOISE REDUCTION | Process the copy to reduce mottling. | | | |
| LENS | Improve definition by adjusting for diffraction | | | |
| MODULATION | and the slight loss of focus at the periphery of | | | |
| OPTIMIZER | the lens. | | | |
| COLOR SPACE | Choose the color space used for color reproduc- | | | |
| COLON SPACE | tion. | | | |

ERASE

Delete individual pictures, multiple selected pictures, or all pictures.

Deleted pictures can not be recovered. Protect important pictures or copy them to a computer or other storage device before proceeding.

| Option | Description |
|-----------------|------------------------------------|
| FRAME | Delete pictures one at a time. |
| SELECTED FRAMES | Delete multiple selected pictures. |
| ALL FRAMES | Delete all unprotected pictures. |

FRAME

1 Select FRAME for ERASE in the playback menu.

2 Press the selector left or right to scroll through pictures and press **MENU/OK** to delete (a confirmation dialog is not displayed). Repeat to delete additional pictures.

SELECTED FRAMES

- Select SELECTED FRAMES for ERASE in the playback menu.
- 2 Highlight pictures and press MENU/OK to select or deselect (pictures in photobooks or printer orders are shown by ■). Selected pictures are indicated by check marks (
- **3** When the operation is complete, press **DISP/BACK** to display a confirmation dialog.
- 4 Highlight OK and press MENU/OK to delete the selected pictures.

ALL FRAMES

- 1 Select ALL FRAMES for ERASE in the playback menu.
- 2 A confirmation dialog will be displayed; highlight OK and press MENU/OK to delete all unprotected pictures.
- Pressing DISP/BACK cancels deletion; note that any pictures deleted before the button was pressed can not be recovered.

If a message appears stating that the selected images are part of a DPOF print order, press **MENU/OK** to delete the pictures.

CROP

Create a cropped copy of the current picture.

- 1 Display the desired picture.
- 2 Select CROP in the playback menu.
- **3** Use the rear command dial to zoom in and out and press the selector up, down, left, or right to scroll the picture until the desired portion is displayed.
- **4** Press **MENU/OK** to display a confirmation dialog.
- 5 Press MENU/OK again to save the cropped copy to a separate file.
- Larger crops produce larger copies; all copies have an aspect ratio of 3:2. If the size of the final copy will be 2000, YES will be displayed in yellow.

RESIZE

Create a small copy of the current picture.

- 1 Display the desired picture.
- 2 Select **RESIZE** in the playback menu.
- **3** Highlight a size and press **MENU/OK** to display a confirmation dialog.
- 4 Press MENU/OK again to save the resized copy to a separate file.
- The sizes available vary with the size of the original image.

PROTECT

Protect pictures from accidental deletion. Highlight one of the following options and press **MENU/OK**.

- FRAME: Protect selected pictures. Press the selector left or right to view pictures and press MENU/OK to select or deselect. Press DISP/BACK when the operation is complete.
- SET ALL: Protect all pictures.
- RESET ALL: Remove protection from all pictures.

Protected pictures will be deleted when the memory card is formatted.

IMAGE ROTATE

Rotate pictures.

- Display the desired picture.
- Select IMAGE ROTATE in the playback menu.
- 3 Press the selector down to rotate the picture 90° clockwise, up to rotate it 90° counterclockwise.
- 4 Press MENU/OK. The picture will automatically be displayed in the selected orientation whenever it is played back on the camera.

Protected pictures can not be rotated. Remove protection before rotating pictures.

The camera may not be able to rotate pictures created with other devices. Pictures rotated on the camera will not be rotated when viewed on a computer or on other cameras

Pictures taken with SCREEN SETTING > AUTOROTATE PB are automatically displayed in the correct orientation during playback.

RED EYE REMOVAL

Remove red-eye from portraits. The camera will analyze the image; if red-eye is detected, the image will be processed to create a copy with reduced red-eye.

- 1 Display the desired picture.
- 2 Select RED EYE REMOVAL in the playback menu.

3 Press MENU/OK.

Results vary depending on the scene and the camera's success in detecting faces. Red eye can not be removed from pictures that have already been processed using red-eye removal, which are indicated by a
 icon during playback.

The amount of time needed to process the image varies with the number of faces detected.

Red eye removal can not be performed on RAW images.

WIRELESS COMMUNICATION

Connect to smartphones running the "FUJIFILM Camera Remote" app. The smartphone can be used to browse the images on the camera, download selected images, control the camera remotely, or upload location data to the camera.



For downloads and other information, visit: http://fujifilm-dsc.com/wifi/

SLIDE SHOW

View pictures in an automated slide show. Press **MENU/OK** to start and press the selector right or left to skip ahead or back. Press **DISP/BACK** at any time during the show to view on-screen help. The show can be ended at any time by pressing **MENU/OK**.



The camera will not turn off automatically while a slide show is in progress.

PHOTOBOOK ASSIST

Create books from your favorite photos.

Creating a Photobook

- 1 Select NEW BOOK for DIPLAY BACK MENU > PHOTOBOOK ASSIST.
- 2 Scroll through the images and press the selector up to select or deselect. Press MENU/OK to exit when the book is complete.
 - - Neither photographs 🚳 or smaller nor movies can be selected for photobooks.

The first picture selected becomes the cover image. Press the selector down to select the current image for the cover instead.

3 Highlight COMPLETE PHOTOBOOK and press MENU/OK (to select all photos for the book, choose SELECT ALL). The new book will be added to the list in the photobook assist menu.

Books can contain up to 300 pictures. Books that contain no photos are automatically deleted.

Photobooks-

Photobooks can be copied to a computer using MyFinePix Studio software.

Viewing Photobooks

Highlight a book in the photobook assist menu and press **MENU/OK** to display the book, then press the selector left or right to scroll through the pictures.

Editing and Deleting Photobooks

Display the photobook and press **MENU/OK**. The following options will be displayed; select the desired option and follow the on-screen instructions.

- EDIT: Edit the book as described in "Creating a Photobook".
- ERASE: Delete the book.

PC AUTO SAVE

Upload pictures from the camera to a computer running the "FUJIFILM PC AutoSave" application (note that you must first install the software and configure the computer as a destination for images copied from the camera).

For downloads and other information, visit: http://fujifilm-dsc.com/wifi/

PRINT ORDER (DPOF)

Create a digital "print order" for DPOF-compatible printers.

- 1 Select Depine PLAY BACK MENU > PRINT ORDER (DPOF).
- 2 Select WITH DATE C to print the date of recording on pictures, WITHOUT DATE to print pictures without dates, or RESET ALL to remove all pictures from the print order before proceeding.
- **3** Display a picture you wish to include in or remove from the print order.
- 4 Press the selector up or down to choose the number of copies (up to 99). To remove a picture from the order, press the selector down until the number of copies is 0.



- 5 Repeat steps 3–4 to complete the print order.
- **6** The total number of prints is displayed in the monitor. Press **MENU/OK** to exit.



Print orders can contain a maximum of 999 pictures.

If a memory card is inserted containing a print order created by another camera, a message will be displayed. Pressing **MENU/OK** cancels the print order; a new print order must be created as described above.
instax PRINTER PRINT

To print pictures to optional FUJIFILM instax SHARE printers, first select **CONNECTION SETTING** > instax PRINTER CONNECTION SETTING and enter the instax SHARE printer name (SSID) and password, then follow the steps below.

- 1 Turn the printer on.
- Select D PLAY BACK MENU > instax PRINTER PRINT. The camera will connect to the printer.



🚫 To print a frame from a burst sequence, display the frame before selecting instax PRINTER PRINT.

3 Use the selector to display the interprint picture you want to print, then press MENU/OK. The picture will be sent to the printer and printing will start.





N Pictures taken with other cameras can not be printed.

The area printed is smaller than the area visible in the ICD monitor.

DISP ASPECT

Choose how High Definition (HD) devices display pictures with an aspect ratio of 3:2 (this option is available only when an HDMI cable is connected). Select 16:9 to display the image so that it fills the screen with its top and bottom cropped out, 3:2 to display the entire image with black bands at either side.





The Setup Menus

USER SETTING

Adjust basic camera settings.

To access basic camera settings, press MENU/OK, select the 2 (SET UP) tab, and choose USER SET-TING.

| JUSER SETTING | |
|-----------------|---|
| FORMAT | • |
| DATE/TIME | |
| TIME DIFFERENCE | |
| 言語/LANG | |
| MY MENU SETTING | |
| SENSOR CLEANING | |
| SOUND & FLASH | |
| RESET | |
| | |

FORMAT

To format a memory card:

- 1 Select USER SETTING > FORMAT in the (SET UP) tab.
- 2 A confirmation dialog will be displayed. To format the memory card, highlight OK and press MENU/OK. To exit without formatting the memory card, select CANCEL or press DISP/BACK.



All data—including protected pictures—will be deleted from the memory card. Be sure important files have been copied to a computer or other storage device.

Do not open the battery-chamber cover during formatting.

The format menu can also be displayed by pressing the center of the rear command dial while pressing and holding the final button.

DATE/TIME

To set the camera clock:

- 1 Select ☐ USER SETTING > DATE/TIME in the ☐ (SET UP) tab.
- 2 Press the selector left or right to highlight the year, month, day, hour, or minute and press up or down to change. To change the order in which the year, month, and day are displayed, highlight the date format and press the selector up or down.
- 3 Press MENU/OK to set the clock.

TIME DIFFERENCE

Switch the camera clock instantly from your home time zone to the local time at your destination when traveling. To specify the difference between your local and home time zone:

- 1 Highlight + LOCAL and press MENU/OK.
- 2 Use the selector to choose the time difference between local time and your home time zone. Press MENU/OK when settings are complete.

To set the camera clock to local time, highlight + LOCAL and press MENU/OK. To set the clock to the time in your home time zone, select \triangle HOME. If + LOCAL is selected, + will be displayed in yellow for about three seconds when the camera is turned on.



言語/LANG.

Choose a language.

MY MENU SETTING

Edit the items listed in the **(MY MENU)** tab, a personalized custom menu of frequently-used options.

 Highlight SUSER SETTING > MY MENU SETTING in the SUSER (SET UP) tab and press MENU/OK to display the options at right.



USER SETTING

2 Press the selector up or down to highlight MY MENU SET-TING and press MENU/OK. Options that can be added to "my menu" are highlighted in blue.



Items currently in "my menu" are indicated by check marks.

3 Highlight an item and press MENU/OK to add it to "my menu".



- 4 Press MENU/OK to return to the edit display.
- 5 Repeat Steps 3 and 4 until all the desired items have been added.

"My menu" can contain up to 16 items.

Editing "My Menu".

To reorder or delete items, select **RANK ITEMS** or **REMOVE ITEMS** in Step 1.

SENSOR CLEANING

Remove dust from the camera image sensor.

- **OK**: Clean the sensor immediately.
- WHEN SWITCHED ON: Sensor cleaning will be performed when the camera is turned on.
- WHEN SWITCHED OFF: Sensor cleaning will be performed when the camera turns off (sensor cleaning is not however performed if the camera turns off in playback mode).
- Dust that can not be removed using sensor cleaning can be removed manually.

SOUND & FLASH

Select **OFF** to disable the speaker, flash, illuminator, and self-timer lamp in situations in which camera sounds and lights may be unwelcome.

| Options | | | |
|---------|-----|--|--|
| ON | OFF | | |

RESET

Reset shooting or setup menu options to default values. Custom white balance, custom settings banks created using EDIT/SAVE CUSTOM SETTING, WIRELESS SETTINGS, and the setup menu DATE/ TIME and TIME DIFFERENCE options are not affected.

- 1 Highlight the desired option and press the selector right.
- 2 A confirmation dialog will be displayed; highlight OK and press MENU/OK.

SOUND SETTING

Make changes to camera sounds.

To access sound settings, press **MENU/OK**, select the **I** (SET UP) tab, and choose **SOUND SETTING**.



AF BEEP VOL.

| Options | | | | | | |
|-------------------------|-----------------|--------------------|------------|--|--|--|
| ∎ € • •) (high) | ∎¶ • I (medium) | ∎ ¶ • (low) | OFF (mute) | | | |

SELF-TIMER BEEP VOL.

Choose the volume of the beep that sounds while the self-timer is active. The beep can be muted by selecting **I**OFF.



OPERATION VOL.



SHUTTER VOLUME

Adjust the volume of the sounds produced by the electronic shutter. Choose **4**0FF to disable the shutter sound.

| Options | | | | | | |
|----------------------|-----------------|------------------|---------------------|--|--|--|
| ■(••) (high) | ∎¶ • I (medium) | • • (low) | ■ OFF (mute) | | | |

SHUTTER SOUND

Choose the sound made by the electronic shutter.

| Options | | | | | |
|-------------|-------------|-------------|--|--|--|
| ♪ 1 SOUND 1 | ♪ 2 SOUND 2 | ♪ 3 SOUND 3 | | | |

PLAYBACK VOLUME

Adjust the volume for movie playback. Choose from 10 options between 10 (high) and 1 (low) or select **OFF** to mute audio during movie playback.

| Options | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|-----|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | OFF |

SCREEN SETTING

Make changes to display settings.

To access display settings, press **MENU/OK**, select the **2** (SET UP) tab, and choose **SCREEN SETTING**.



EVF BRIGHTNESS

Adjust the brightness of the display in the electronic viewfinder. Select **MANUAL** to choose from 11 options from +5 (bright) to -5 (dark), or select **AUTO** for automatic brightness adjustment.

| Options | | | | |
|---------|------|--|--|--|
| MANUAL | AUTO | | | |

EVF COLOR

Adjust the hue of the display in the electronic view-finder. Choose from 11 options between +5 and -5.

 Options

 +5
 +4
 +3
 +2
 +1
 0
 -1
 -2
 -3
 -4
 -5

LCD BRIGHTNESS

Adjust monitor brightness. Choose from 11 options between +5 and -5.

| Options | | | | | | | | | | |
|---------|----|----|----|----|---|----|----|----|----|----|
| +5 | +4 | +3 | +2 | +1 | 0 | -1 | -2 | -3 | -4 | -5 |

LCD COLOR

Adjust monitor hue. Choose from 11 options between +5 and -5.

| Options | | | | | | | | | | |
|---------|----|----|----|----|---|----|----|----|----|----|
| +5 | +4 | +3 | +2 | +1 | 0 | -1 | -2 | -3 | -4 | -5 |

IMAGE DISP.

Choose how long images are displayed after shooting. Colors may differ slightly from those in the final image and "noise" mottling may be visible at high sensitivities.

| Option | Description |
|------------|---|
| | Pictures are displayed until the MENU/OK button is |
| | pressed or the shutter button is pressed halfway. To |
| CONTINUOUS | zoom in on the active focus point, press the center of |
| | the rear command dial; press again to cancel zoom. |
| | Pictures are displayed for the selected time or until the |
| 0.5 SEC | shutter button is pressed halfway. |
| OFF | Pictures are not displayed after shooting. |

EVF AUTOROTATE DISPLAYS

Choose whether the indicators in the viewfinder rotate to match camera orientation. Regardless of the option selected, the indicators in the monitor do not rotate.

| Options | | | | |
|---------|-----|--|--|--|
| ON | OFF | | | |

PREVIEW EXP./WB IN MANUAL MODE

Select **PREVIEW EXP./WB** to enable exposure and white balance preview in manual exposure mode, or choose **PREVIEW WB** to preview only white balance (**PREVIEW WB** is recommended in situations in which exposure and white balance are likely to change during shooting, as may be the case when you use a flash with an incandescent monitoring lamp). Select **OFF** when using a flash or on other occasions on which exposure may change when the picture is taken.

| Options | | | | |
|-----------------|------------|-----|--|--|
| PREVIEW EXP./WB | PREVIEW WB | OFF | | |

PREVIEW PIC. EFFECT

Choose **ON** to preview the effects of film simulation, white balance, and other settings in the monitor, **OFF** to make shadows in low-contrast, back-lit scenes and other hard-to-see subjects more visible.

| Options | | |
|---------|-----|--|
| ON | OFF | |



If **OFF** is selected, the effects of camera settings will not be visible in the monitor and colors and tone will differ from those in the final picture. The display will however be adjusted to show the effects of advanced filters and of monochrome and sepia settings.

FRAMING GUIDELINE

Choose a framing grid for shooting mode.



AUTOROTATE PB

Choose **ON** to automatically rotate "tall" (portrait-orientation) pictures during playback.



FOCUS SCALE UNITS

Choose the units used for the focus distance indicator.

| Options | | | | |
|---------|------|--|--|--|
| METERS | FEET | | | |

DISP. CUSTOM SETTING

Choose the items shown in the standard display.

- 1 In shooting mode, use the **DISP/BACK** button to display standard indicators.
- 2 Press MENU/OK and select ☑ SCREEN SETTING > DISP. CUSTOM SETTING in the ☑ (SET UP) tab.
- 3 Highlight items and press MENU/OK to select or deselect.

| ltem | Default | ltem | Default |
|------------------------|--------------|------------------------|--------------|
| FRAMING GUIDELINE | | SHUTTER TYPE | \checkmark |
| ELECTRONIC LEVEL | | FLASH | \checkmark |
| FOCUS FRAME | \checkmark | CONTINUOUS MODE | \checkmark |
| AF DISTANCE INDICATOR | | DUAL IS MODE | \checkmark |
| MF DISTANCE INDICATOR | \checkmark | TOUCH SCREEN MODE | \checkmark |
| HISTOGRAM | | WHITE BALANCE | \checkmark |
| SHOOTING MODE | \checkmark | FILM SIMULATION | \checkmark |
| APERTURE/S-SPEED/ISO | \checkmark | DYNAMIC RANGE | \checkmark |
| INFORMATION BACKGROUND | \checkmark | FRAMES REMAINING | \checkmark |
| Expo. Comp. (Digit) | | IMAGE SIZE/QUALITY | \checkmark |
| Expo. Comp. (Scale) | \checkmark | MOVIE MODE & REC. TIME | \checkmark |
| FOCUS MODE | \checkmark | BATTERY LEVEL | \checkmark |
| PHOTOMETRY | \checkmark | FRAMING OUTLINE | |

- **4** Press **DISP/BACK** to save changes.
- **5** Press **DISP/BACK** as needed to exit the menus and return to the shooting display.



BUTTON/DIAL SETTING

Access options for camera controls.

To access control options, press **MENU/OK**, select the **2** (SET UP) tab, and choose **BUTTON/DIAL SETTING**.

| BUTTONIDIAL SETTING | |
|-----------------------------|---|
| EDIT/SAVE QUICK MENU | • |
| Fn/AE-L/AF-L BUTTON SETTING | |
| SELECTOR BUTTON SETTING | |
| COMMAND DIAL SETTING | |
| SHUTTER AF | |
| SHUTTER AE | |
| SHOOT WITHOUT LENS | |
| FOCUS RING | |
| | |

EDIT/SAVE QUICK MENU

Choose the items displayed in the quick menu.

- 1 Select BUTTON/DIAL SETTING > EDIT/SAVE OUICK MENU in the 🖾 (SET UP) tab.
- 2 The current quick menu will be displayed; use the selector to highlight the item you wish to change and press MENU/OK.
- 3 Highlight any of the following options and press MENU/OK to assign it to the selected position.
 - IMAGE SIZE
 - IMAGE QUALITY
 - FILM SIMULATION*
 - GRAIN FFFFCT*
 - DYNAMIC RANGE*
 - WHITE BALANCE*
 - HIGHLIGHT TONE*
 - SHADOW TONE*
 - COLOR*
 - SHARPNESS*
 - NOISE REDUCTION*
 - SELECT CUSTOM SETTING*
 EVF/LCD BRIGHTNESS
 - AF MODE
 - AF-C CUSTOM SETTINGS
 - FACE/EYE DETECTION SETTING
 - * Stored in custom settings bank.

- ME ASSIST
- SELE-TIMER
- PHOTOMETRY
- SHUTTER TYPE
- ISO
- TOUCH SCREEN MODE
- FLASH FUNCTION SETTING
 - FLASH COMPENSATION
 - MOVIE MODE
- MIC LEVEL ADJUSTMENT
- SOUND & FLASH

 - FVF/ICD COLOR
 - NONF



Select NONE to assign no option to the selected position. When SELECT CUSTOM SETTING is selected, current settings are shown in the quick menu by the label BASE.

- 4 Highlight the desired item and press MENU/OK to assign it to the selected position.
- Noting mode The quick menu can also be accessed in shooting mode by holding the **Q** button.

Fn/AE-L/AF-L BUTTON SETTING

Choose the roles played by the function buttons.

- 1 Select BUTTON/DIAL SETTING > Fn/AE-L/ AF-L BUTTON SETTING in the 🔽 (SET UP) tab.
- 2 Highlight the desired control and press MENU/OK.
- 3 Highlight any of the following options and press MENU/OK to assign it to the selected control.
 - IMAGE SIZE
 - IMAGE QUALITY
 - RAW
 - FILM SIMULATION
 - GRAIN FFFFCT

 - WHITE BALANCE
 - SELECT CUSTOM SETTING
 PREVIEW EXP/WBIN MANUAL MODE
 - FOCUS AREA
 - FOCUS CHECK
 - AF MODF
 - AF-C CUSTOM SETTINGS
 - FACE/EYE DETECTION SETTING
 AE-ON
 - DRIVE SETTING
 - SELF-TIMER
 - PHOTOMFTRY
 - SHUTTER TYPE

- ISO
- WIRELESS COMMUNICATION
- FLASH FUNCTION SETTING
- TTI -I OCK
 - MODELING FLASH
- DYNAMIC RANGE
 MIC LEVEL AD JUSTMENT
 - PREVIEW DEPTH OF FIELD

 - PREVIEW PIC, EFFECT
 - AFLOCKONLY
 - AF LOCK ONLY
 - AF/AFLOCK

 - APERTURE SETTING
 - PLAYBACK
 - NONF (control disabled)

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Function button assignment options can also be accessed by holding the **DISP/BACK** button. The selector can not be assigned more than one role at a time.

AF-ON

If **AF-ON** is selected, you can press the control instead of keeping the shutter button pressed halfway.

MODELING FLASH

If **MODELING FLASH** is selected when a compatible shoe-mounted flash unit is attached, you can press the control to test-fire the flash and check for shadows and the like (modeling flash).

TTL-LOCK

If TTL-LOCK is selected, you can press the control to lock flash output according to the option selected for FLASH SETTING > TTL-LOCK MODE () 166).

SELECTOR BUTTON SETTING

Choose the roles played by the up, down, left, and right buttons on the selector.

| Option | Description | | | | |
|------------------|--|--|--|--|--|
| Fn BUTTON | The selector buttons serve as function buttons. | | | | |
| | The selector buttons can be used to position the focus | | | | |
| FUCUS ANLA | area. | | | | |



8

COMMAND DIAL SETTING

Choose the roles played by the command dials.

| Option | Description | | | | |
|--------------------------|--|--|--|--|--|
| | The front command dial controls aperture, the rear command dial shutter speed. | | | | |
| − r ↓ 3.3. | command dial shutter speed. | | | | |
| | The front command dial controls shutter speed, the rear command dial aperture. | | | | |
| — 3.3. ♥ F | rear command dial aperture. | | | | |

SHUTTER AF

Choose whether the camera focuses when the shutter button is pressed halfway.

| Option | Description | | | | | |
|--------|--|--|--|--|--|--|
| | In focus mode S (AF-S), the camera focuses when the shutter | | | | | |
| ON | button is pressed halfway and locks focus while the button | | | | | |
| UN | remains in this position. In focus mode C (AF-C), focus is ad- | | | | | |
| | justed continually while the button is pressed halfway. | | | | | |
| OFF | The camera does not focus when the shutter button is | | | | | |
| VFF | pressed halfway. | | | | | |

SHUTTER AE

If **ON** is selected, exposure will lock while the shutter button is pressed halfway.

| Options | | | |
|---------|----------------------------------|------------------------------|--|
| ON | | OFF | |
| | Select OFF to allow the c | amera to adjust exposure be- | |

Select **OFF** to allow the camera to adjust exposure be fore each shot taken in burst mode.

SHOOT WITHOUT LENS

Choose **ON** to enable the shutter release when no lens is attached.



FOCUS RING

Choose the direction in which the focus ring is rotated to increase the focus distance.

| Options | | | |
|------------------|---------------------------------|--|--|
| C CW (clockwise) | O CCW (counterclockwise) | | |

AE/AF-LOCK MODE

If **AE & AF ON WHEN PRESSING** is selected, exposure and/or focus will lock while the **AE-L** or **AF-L** button is pressed. If **AE & AF ON/OFF SWITCH** is selected, exposure and/or focus will lock when the **AE-L** or **AF-L** button is pressed and remain locked until the button is pressed again.



APERTURE SETTING

Choose the method used to adjust aperture when using lenses with no aperture rings.

| Option | Description | | | | |
|--|---|--|--|--|--|
| AUTO + | Rotate the front command dial to choose the aperture. | | | | |
| 👄 MANUAL | AL Rotate past minimum aperture to choose A (auto). | | | | |
| Aperture is selected automatically; camera fu in exposure mode P (program AE) or S (shu ority AE). | | | | | |
| | Rotate the front command dial to choose the aperture; camera functions in exposure mode $\bf A$ (aperture-priority AE) or $\bf M$ (manual). | | | | |

TOUCH SCREEN SETTING

Enable or disable touch-screen controls.





Adjust power management settings.

To access power management settings, press MENU/OK, select the (SET UP) tab, and choose POWER MANAGEMENT.

| | POWER MANAGEMENT |
|------------|------------------|
| 1.0. | |
| <u>к</u> . | |
| a | |
| 4 | AUTO POWER OFF > |
| | |
| | PERFORMANCE |
| 42 | PERFORMANCE |
| aii F | PERFORMANCE |
| ан ,с | PERFORMANCE |

AUTO POWER OFF

Choose the length of time before the camera turns off automatically when no operations are performed. Shorter times increase battery life; if **OFF** is selected, the camera must be turned off manually.

| Options | | | | | |
|-----------------------------------|--|--|--|--|-----|
| 5 MIN 2 MIN 1 MIN 30 SEC 15 SEC 0 | | | | | OFF |

PERFORMANCE

Adjust power management settings.

| Option | AF performance (speed) | LCD/EVF display quality | Battery endurance |
|---------------------|---------------------------|----------------------------|----------------------|
| HIGH PERFORMANCE | Fast | Very high | Low |
| STANDARD | Normal | High | Normal |



When **STANDARD** is selected, the frame rate will drop when no operations are being performed. Operating camera controls returns the frame rate to normal.


Make changes to file management settings.

To access file management settings, press MENU/OK, select the (SET UP) tab, and choose SAVE DATA SETTING.

| | SAVE DATA SETTING | |
|------|-------------------|---|
| 1.0. | FRAME NO. | • |
| 15 | SAVE ORG IMAGE | |
| | EDIT FILE NAME | |
| | COPYRIGHT INFO | |
| | | |
| ···· | | |
| ۶. | | |
| | | |
| | | |

FRAME NO.

New pictures are stored in image files named using a four-digit file number assigned by adding one to the last file number used. The file number is displayed during playback as shown. **FRAME NO.** controls whether file numbering is reset to 0001 when a new memory card is inserted or the current memory card is formatted.

| Option | Description |
|-------------|---|
| | Numbering continues from the last file number used |
| CONTINUIOUS | or the first available file number, whichever is higher. Choose this option to reduce the number of pictures |
| CONTINUOUS | Choose this option to reduce the number of pictures |
| | with duplicate file names. |
| RENEW | Numbering is reset to 0001 after formatting or when a |
| RENEW | new memory card is inserted. |

If the frame number reaches 999-9999, the shutter release will be disabled. Format the memory card after transferring to a computer any pictures you wish to keep.

Selecting Suser Setting > RESET sets FRAME NO. to CONTINUOUS but does not reset the file number.

Frame numbers for pictures taken with other cameras may differ.

SAVE ORG IMAGE

Choose **ON** to save unprocessed copies of pictures taken using **RED EYE REMOVAL**.



EDIT FILE NAME

Change the file name prefix. sRGB images use a four-letter prefix (default "DSCF"), Adobe RGB images a three-letter prefix ("DSF") preceded by an underscore.

| Option | Default prefix | Sample file name |
|-----------|----------------|------------------|
| sRGB | DSCF | ABCD0001 |
| Adobe RGB | _DSF | _ABC0001 |

COPYRIGHT INFO

Copyright information, in the form of Exif tags, can be added to new images as they taken. Changes to copyright information are reflected only in images taken after the changes are made.

| Option | Description |
|----------------------------|---|
| DISP COPYRIGHT INFO | View the current copyright information. |
| ENTER AUTHOR'S INFO | Enter the creator's name. |
| ENTER COPYRIGHT INFO | Enter the name of the copyright holder. |
| DELETE COPYRIGHT INFO | Delete the current copyright information. This change applies only to images taken after this option is selected; copyright information recorded with existing images is not affected. |



CONNECTION SETTING

Adjust settings for connection to other devices.

To access connection settings, press **MENU/OK**, select the **G** (SET UP) tab, and choose **CONNECTION SETTING**.



WIRELESS SETTINGS

Adjust settings for connection to wireless networks.

| Option | Description |
|---------------------------------------|--|
| GENERAL SETTINGS | Choose a name (NAME) to identify the camera on the wireless network (the camera is assigned a unique name by default) or select RESET WIRE- LESS SETTINGS to restore default settings. |
| RESIZE IMAGE For Smart- Phone R | Choose ON (the default setting, recommended in most circumstances) to resize larger images to suffor upload to smartphones, OFF to upload images at their original size. Resizing applies only to the copy uploaded to the smartphone; the original is not affected. |
| PC AUTO SAVE Settings | Choose DELETE REGISTERED DESTINATION PC to remove selected destinations, DETAILS OF PREVIOUS CONNECTION to view computers to which the camera has recently connected. |

PC AUTO SAVE SETTING

Choose an upload destination. Choose SIMPLE SET-UP to connect using WPS, MANUAL SETUP to configure network settings manually.

| Opt | ions |
|---|--------------|
| SIMPLE SETUP | MANUAL SETUP |
| For more information on w http://fuiifilm-dsc.com/wifi | , |

GEOTAGGING SET-UP

View location data downloaded from a smartphone and choose whether to save the data with your pictures.

| Option | Description |
|-----------------|---|
| GEOTAG- GING | Choose whether location data downloaded from a smartphone are embedded in pictures as they are taken. |
| | Display the location data last downloaded from a smartphone. |



For more information on wireless connections, visit: http://fujifilm-dsc.com/wifi/

instax PRINTER CONNECTION SETTING

Adjust settings for connection to optional FUJIFILM instax SHARE printers.

The Printer Name (SSID) and Password-

The printer name (SSID) can be found on the bottom of the printer; the default password is "1111". If you have already chosen a different password to print from a smartphone, enter that password instead.





Shortcuts

Shortcut Options

Customize camera controls to suit your style or situation.

Frequently-used options can be added to the **Q** menu or a custom "my" menu or assigned to an **Fn** (function) button for direct access:

- The Q menu (🗐 243): The Q menu is displayed by pressing the Q button. Use the Q menu to view or change the options selected for frequently-used menu items.
- "My menu" (252): Add frequently-used options to this custom menu, which can be viewed by pressing MENU/OK and selecting the M ("MY MENU") tab.
- The function buttons (248): Use the function buttons for direct access to selected features.

The Q (Quick Menu) Button

Press **Q** for quick access to selected options.

The Quick Menu Display

At default settings, the quick menu contains the following items:



The quick menu shows the options currently selected for items 2-16, which can be changed as described on page 246.

SELECT CUSTOM SETTING

The IMAGE QUALITY SETTING > SELECT CUSTOM SETTING

item (item (1)) shows the current custom settings bank:

- BASE: No custom settings bank selected.
- C1–C7: Select a bank to view the settings saved using the IMAGE QUALITY SETTING > EDIT/SAVE CUSTOM SETTING option.
- 25 29: The current custom settings bank.

Viewing and Changing Settings

- **1** Press **Q** to display the quick menu during shooting.
- **2** Use the selector to highlight items and rotate the rear command dial to change.
 - Changes are not saved to the current settings bank. Settings that differ from those in the current settings bank (C1– C7) are shown in red.



C SELECT CUSTOM SETTING



3 Press **Q** to exit when settings are complete.

Editing the Quick Menu

To choose the items displayed in the quick menu:

1 Press and hold the **Q** button during shooting.



2 The current quick menu will be displayed; use the selector to highlight the item you wish to change and press MENU/OK.

- 3 Highlight any of the following options and press MENU/OK to assign it to the selected position.
 - IMAGE SIZE
 - IMAGE OUALITY
 - FILM SIMULATION*
 - GRAIN FFFFCT*
 - DYNAMIC RANGE*
 - WHITE BALANCE*
 - HIGHLIGHT TONE*
 - SHADOW TONE*
 - COLOR*
 - SHARPNESS*
 - NOISE REDUCTION*
 - SELECT CUSTOM SETTING*
 EVF/LCD BRIGHTNESS
 - AF MODE
 - AF-C CUSTOM SETTINGS
 - FACE/EYE DETECTION SETTING
 - * Stored in custom settings bank.

- MEASSIST
- SELE-TIMER
- PHOTOMETRY
- SHUTTER TYPE
- ISO
- TOUCH SCREEN MODE
- FLASH FUNCTION SETTING
- FLASH COMPENSATION
- MOVIE MODE
- MIC | EVEL ADJUSTMENT
 - SOUND & FLASH

 - FVF/ICD COLOR
 - NONF

Select NONE to assign no option to the selected position. When **SELECT CUSTOM SETTING** is selected, current settings are shown in the guick menu by the label BASE.

🚫 The guick menu can also be edited using 🛽 BUTTON/ DIAL SETTING > EDIT/SAVE OUICK MENU.

The Fn (Function) Buttons

The roles played by each of the function buttons can be selected by pressing and holding the button.

The default assignments are:



Shortcuts

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Assigning Roles to the Function Buttons

To assign roles to the buttons:

1 Press and hold the DISP/BACK button until a button selection menu is displayed.



- Highlight a button and press MENU/OK.
- 3 Highlight the desired role and press MENU/OK to assign it to the selected button. Choose from:
 - IMAGE SIZE
 - IMAGE QUALITY
 - RAW
 - FILM SIMULATION
 - GRAIN FFFECT
 - DYNAMIC RANGE
 - WHITE BALANCE
 - SELECT CUSTOM SETTING
 - FOCUS AREA
 - FOCUS CHECK
 - AF MODE
 - AF-C CUSTOM SETTINGS
 - FACE/EYE DETECTION SETTING
 AE-ON
 - DRIVE SETTING
 - SELE-TIMER
 - PHOTOMETRY
 - SHUTTER TYPE

- ISO
- WIRELESS COMMUNICATION
- FLASH FUNCTION SETTING
- TTI -I OCK
- MODELING ELASH
- MIC LEVEL AD JUSTMENT
- PREVIEW DEPTH OF FIELD
 - PREVIEW EXP/WB IN MANUAL MODE
 - PREVIEW PIC EFFECT
 - AF LOCK ONLY
 - AFLOCK ONLY
 - AF/AFLOCK

 - APERTURE SETTING
 - PLAYBACK
 - NONE (control disabled)



AF-ON

If **AF-ON** is selected, you can press the control instead of keeping the shutter button pressed halfway.

MODELING FLASH

If **MODELING FLASH** is selected when a compatible shoe-mounted flash unit is attached, you can press the control to test-fire the flash and check for shadows and the like (modeling flash).

TTL-LOCK

If TTL-LOCK is selected, you can press the control to lock flash output according to the option selected for FLASH SETTING > TTL-LOCK MODE () 166).



Access a personalized menu of frequently-used options.

To display "my menu", press **MENU/OK** in the shooting display and select the **MY MENU**) tab.

| | IN MY MENU | |
|------|-------------------|------------|
| 10. | SELF-TIMER | |
| NF. | INTERVAL TIMER SI | HOOTING |
| | FILM SIMULATION | |
| 4 | GRAIN EFFECT | |
| | SHUTTER TYPE | |
| | IS MODE | |
| ۶. | FACE/EYE DETECTI | ON SETTING |
| WY 😳 | ISO | |
| | | BACK EXIT |
| | | |

The **m** tab is only available if options have been assigned to **MY MENU**.

MY MENU SETTING

To choose the items listed in the **(MY MENU**) tab:

- Highlight SUSER SETTING > MY MENU SETTING in the SUSENCE (SET UP) tab and press MENU/OK to display the options at right.
- 2 Press the selector up or down to highlight MY MENU SET-TING and press MENU/OK. Options that can be added to "my menu" are highlighted in blue.







Items currently in "my menu" are indicated by check marks.

3 Highlight an item and press MENU/OK to add it to "my menu".



- 4 Press MENU/OK to return to the edit display.
- 5 Repeat Steps 3 and 4 until all the desired items have been added.

"My menu" can contain up to 16 items.

Editing "My Menu"-

To reorder or delete items, select **RANK ITEMS** or **REMOVE** ITEMS in Step 1.



Peripherals and Optional Accessories

External Flash Units

Flash units can be mounted on the hot shoe or connected via the sync terminal.

External flash units are more powerful than their built-in counterparts. Some support high-speed sync (FP) and can be used at shutter speeds faster than the sync speed, while others can function as master flash units controlling remote units via optical wireless flash control.

You may be unable to test-fire the flash in some circumstances, for example when a setup menu is displayed on the camera.

Flash Settings

To adjust settings for a flash unit mounted on the hot shoe or connected via the sync terminal:

- 1 Connect the unit to the camera.
- 2 In shooting mode, select FLASH FUNCTION SETTING in the (FLASH SETTING) menu tab. The options available vary with the flash unit.

| I. | FLASH SETTING | |
|-------|------------------------|---|
| 1.0. | FLASH FUNCTION SETTING | • |
| AT MT | RED EYE REMOVAL | |
| ~ | TTL-LOCK MODE | |
| 4 | LED LIGHT SETTING | |
| | MASTER SETTING | |
| 100 | CH SETTING | |
| ۶. | | |
| MY | | |
| | BACK EXIT | |
| | | |

| Menu | Description | | |
|--|--|-----|--|
| Built-In Flash | Displayed when the built-in flash is raised. | 107 | |
| SHOE MOUNT FLASH | Displayed when an optional flash unit is mounted on the hot shoe and turned on. | 262 | |
| MASTER (OPTICAL) | Displayed if an optional flash unit functioning as a master flash for FUJIFILM optical wireless re- mote flash control is connected and turned on. | 266 | |
| SYNC TERMINAL is displayed if the built-in flash is | | | |

SYNC TERMINAL is displayed if the built-in flash is lowered and either no flash unit, or an incompatible flash unit, is mounted on the hot shoe.

10

3 Highlight items using the selector and rotate the rear command dial to change the highlighted setting.



4 Press DISP/BACK to put the changes into effect.

Red-Eye Removal

Red-eye removal is available when an option other than **OFF** is selected for **TELASH SETTING** > **RED EYE REMOVAL** and **TELASH SETTING** > **FACE/EYE DETECTION SETTING** is **ON**. Red-eye removal minimizes "red-eye" caused when light from the flash is reflected from the subject's retinas.

SYNC TERMINAL

SYNC TERMINAL is displayed if the built-in flash is lowered and either no flash unit, or an incompatible flash unit, is mounted on the hot shoe.



| Setting | Description |
|------------------------------|---|
| (1) Flash control mode | Choose from the following options: M: A trigger signal is transmitted from the sync terminal and hot shoe when a picture is taken. Choose a shutter speed slower than the sync speed; even slower speeds may be required if the unit uses long flashes or has a slow response time. OFF: The sync terminal and hot shoe do not transmit a trigger signal. |
| (2) Sync | Choose whether the flash is timed to fire immediately after the shutter opens (Rom /1ST CURTAIN) or immediately before it closes (Rom /2ND CURTAIN). 1ST CURTAIN is recommended in most circumstances. |

10

BUILT-IN FLASH

The following options are available with the built-in flash.



| Setting | Description |
|------------------------|--|
| (1) Flash control mode | Choose from the following options: TTL: TTL mode. Adjust flash compensation (2) and choose a flash mode (3). M: The flash fires at the selected output (2) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from ¼ to ¼4. The desired results may not be achieved at low values if they exceed the limits of the flash control system; take a test shot and check the results. JE (COMMANDER): Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system. OFF: The flash does not fire. |
| 2 Flash compen- | Adjust flash level. The options available vary with |
| sation/output | the flash control mode (1). |

| | External hash office |
|-------------------------|--|
| Setting | Description |
| (3) Flash mode (TTL) | Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P, S, A, or M) selected. MR (FLASH AUTO): The flash fires only as required; flash level is adjusted according to subject brightness. A 3 icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken. MT (STANDARD): The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released. MS (SLOW SYNC.): Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released. |
| (4) Sync | Choose whether the flash is timed to fire imme- diately after the shutter opens (non-the shutter opens (non-the shutter opens) (non-the shutter opens) (non-the shutter opens) or immediately before it closes (non-the shutter opens). 1ST CURTAIN is recommended in most circum- stances. |

10

SHOE MOUNT FLASH

The following options are available with optional shoe-mounted flash units.



| Setting | Description |
|------------------------|---|
| (1) Flash control mode | The flash control mode selected with the flash unit. This can in some cases be adjusted from the camera; the options available vary with the flash. TTL: TTL mode. Adjust flash compensation ((2)). M: The flash fires at the selected output regardless of subject brightness or camera settings. Output in some cases can be adjusted from the camera ((2)). MULTI: Repeating flash. Compatible shoe-mounted flash units will fire multiple times with each shot. OFF: The flash does not fire. Some flash units can be turned off from the camera. |

External Flash Units

| Setting | Description |
|---|---|
| Flash compen- sation/output | The options available vary with flash control mode. TTL: Adjust flash compensation (the full value may not be applied if the limits of the flash control system are exceeded). In the cases of the EF-X20, EF-20, and EF-42, the selected value is added to the value selected with the flash unit. M/MULTI: Adjust flash output (compatible units only). Choose from values expressed as fractions of full power, from ¼ (mode M) or ¼ (MULTI) down to ¼ 12 in increments equivalent to ¼ EV. The desired results may not be achieved at low values if they exceed the limits of the flash control system; take a test shot and check the results. |

10

| Setting | Description |
|-------------------------|---|
| (3) Flash mode (TTL) | Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P, S, A, or M) selected. M (FLASH AUTO): The flash fires only as required; flash level is adjusted according to subject brightness. A flact icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken. ML (STANDARD): The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released. MU (SLOW SYNC.): Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released. |
| (4) Sync | Control flash timing. motor (1ST CURTAIN): The flash fires immediately after the shutter opens (generally the best choice). motor (2ND CURTAIN): The flash fires immediately before the shutter closes. AUTO FP(HSS): High-speed sync (compatible units only). The camera automatically engages front-curtain high-speed sync at shutter speeds faster than the flash sync speed. Equivalent to 1ST CURTAIN when MULTI is selected for flash control mode. |

| Setting | Description |
|--------------------------------|--|
| (5) Zoom | The angle of illumination (flash coverage) for units that support flash zoom. Some units allow the ad- justment to be made from the camera. If AUTO is selected, zoom will automatically be adjusted to match coverage to lens focal length. |
| 6 Lighting | If the unit supports this feature, choose from: ¬¬ (FLASH POWER PRIORITY): Gain range by slightly reducing coverage. >¬ (STANDARD): Match coverage to picture angle. >¬ (EVEN COVERAGE PRIORITY): Slightly increase coverage for more even lighting. |
| (7) LED light | Choose how the built-in LED light functions during still photography (compatible units only): as a catchlight (((CATCHLIGHT), as an AF-assist illuminator (AF/AF ASSIST), or as both a catch- light and an AF-ASSIST illuminator ((AF ASSIST + CATCHLIGHT). Choose OFF to disable the LED during photography. |
| 7 Number of | Choose the number of times the flash fires each |
| flashes * | time the shutter is released in MULTI mode. |
| Frequency* | Choose the frequency at which the flash fires in MULTI mode. |

* Full value may not be applied if limits of flash control system are exceeded.

10

MASTER(OPTICAL)

The options at right will be displayed if the unit is currently functioning as master flash for FUJIFILM optical wireless remote flash control.

The master and remote units can be placed in up to three groups (A, B, and C) and flash mode and flash level adjusted separately for each group. Four channels are available for communication between





the units; separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity.

External Flash Units

| Setting | Description |
|--|---|
| (1) Flash control mode (group A) | Choose flash control modes for groups A, B, and C. TTL% is available for groups A and B only. TTL: The units in the group fire in TTL mode. Flash compensation can be adjusted separately for each group. TTL%: If TTL% is selected for either group A or B, |
| (2) Flash control mode (group B) | you can specify the output of the selected group as a percentage of the other and adjust overall flash compensation for both groups. M: In mode M, the units in the group fire at the selected output (expressed as a fraction of full power) regardless of subject brightness or cam- |
| (3) Flash control mode (group C) | era settings. MULTI: Choosing MULTI for any group sets all the units in all groups to repeating flash mode. All units will fire multiple times with each shot. OFF: If OFF is selected, the units in the group will not fire. |

| Setting | Description |
|---|--|
| (4) Flash compensation/output (group A) (5) Flash compensation/output (group B) (6) Flash compensation/output (group C) | Adjust flash level for the selected group according to option selected for flash control mode. Note that the full value may not be applied if the limits of the flash control system are exceeded. • TTL: Adjust flash compensation. • M/MULTI: Adjust flash output. • TTL%: Choose the balance between groups A and B and adjust overall flash compensation. |
| (7) Flash mode (TTL) | Choose a flash mode for TTL flash control. The options available vary with the shooting mode (P , S , A , or M) selected. • ∰ (FLASH AUTO): The flash fires only as required; flash level is adjusted according to subject brightness. A statistical icon displayed when the shutter button is pressed halfway indicates that the flash will fire when the photo is taken. • ∰ (STANDARD): The flash fires with every shot if possible; flash level is adjusted according to subject brightness. The flash will not fire if not fully charged when the shutter is released. • ∰ (SLOW SYNC.): Combine the flash with slow shutter speeds when photographing portrait subjects against a backdrop of night scenery. The flash will not fire if not fully charged when the shutter is released. |
| Setting | ng Description | | |
|-------------------|---|--|--|
| (8) Sync | Control flash timing. Ror (1ST CURTAIN): The flash fires immediately after the shutter opens (generally the best choice). Refar (2ND CURTAIN): The flash fires immediately before the shutter closes. AUTO FP(HSS): High-speed sync (compatible units only). The camera automatically engages front-curtain high-speed sync at shutter speeds faster than the flash sync speed. Equivalent to 1ST CURTAIN when MULTI is selected for flash control mode. | | |
| (9) Zoom | The angle of illumination (flash coverage) for units that support flash zoom. Some units allow the ad- justment to be made from the camera. If AUTO is selected, zoom will automatically be adjusted to match coverage to lens focal length. | | |
| (1) Lighting | If the unit supports this feature, choose from: = (FLASH POWER PRIORITY): Gain range by slightly reducing coverage. > (STANDARD): Match coverage to picture angle. > (EVEN COVERAGE PRIORITY): Slightly increase coverage for more even lighting. | | |

| Setting | Description | | |
|-----------------------|--|--|--|
| (1) Master | Assign the master flash to group A (Gr A), B (Gr B), or C (Gr C). If OFF is selected, output from the master flash will be held to a level that does not affect the final picture. Available only if the unit is mount- ed on the camera hot shoe as a master flash for FUJIFILM optical wireless remote flash control in TTL, TTL% , or M mode. | | |
| (1) Number of flashes | Choose the number of times the flash fires each time the shutter is released in MULTI mode. | | |
| (12) Channel | Choose the channel used by the master flash for communication with the remote flash units. Separate channels can be used for different flash systems or to prevent interference when multiple systems are operating in close proximity. | | |
| (12) Frequency | Choose the frequency at which the flash fires in MULTI mode. | | |

The camera can be used with lenses for the FUJIFILM X-mount.

Lens Parts





- (1) Lens hood
- 2 Mounting marks
- Focus ring
- Zoom ring
- Aperture ring

I()-0

- 6 O.I.S. switch
- Aperture mode switch
- 8 Lens signal contacts
- Front lens cap
- 10 Rear lens cap

Removing Lens Caps

Remove lens caps as shown.



S Lens caps may differ from those shown.



Attaching Lens Hoods

When attached, lens hoods reduce glare and protect the front lens element.



Lenses

Lenses with Aperture Rings

At settings other than A, you can adjust aperture by rotating the lens aperture ring (exposure modes A and M).

When the aperture ring is set to **A**, rotate the front command dial to adjust aperture.



Aperture ring

The Aperture Mode Switch-

If the lens has an aperture mode switch, *Aperture ring* aperture can be adjusted manually by sliding the switch to **\$** and rotating the aperture ring.



Lenses with No Aperture Rings

The method used to adjust aperture can be selected using **D** BUTTON/ DIAL SETTING > APERTURE SETTING. When an option other than AUTO is selected, aperture can be adjusted using the front command dial.



Aperture control defaults to the front command dial, but can be reassigned to the rear command dial using BUTTON/DIAL SETTING > COMMAND DIAL SETTING.

Lenses with O.I.S. Switches

If the lens supports optical image stabilization (O.I.S.), the image stabilization mode can be chosen in the camera menus. To activate image stabilization, slide the O.I.S. switch to **ON**.



O.I.S. switch

10

Lenses

Manual Focus Lenses

Slide the focus ring to the front for autofocus.

For manual focus, slide the focus ring to the back and rotate it while checking the results in the camera display. The focus distance and depth-of-field indicators can be used to assist manual focus.

The Depth-of-Field Indicator—

The depth-of-field indicator shows the approximate depth of field (the distance in front of and behind the focus point that appears to be in focus). The indicator is displayed in film format.

Note that manual focus may not be available in all shooting modes









Lens Care

Use a blower to remove dust, then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. Replace the front and rear caps when the lens is not in use.

Connections

HDMI Output

Camera shooting and playback displays can be output to HDMI devices.

Connecting to HDMI Devices

Connect the camera to TVs or other HDMI devices using a third-party HDMI cable.

- 1 Turn the camera off.
- **2** Connect the cable as shown below, making sure the connectors are fully inserted.



- Use an HDMI cable no more than 1.5 m (4.9 ft.) long.
- 3 Configure the device for HDMI input as described in the documentation supplied with the device.

4 Turn the camera on. You can now shoot and play back pictures while viewing the television display and save pictures to the HDMI device.



The USB cable can not be used while an HDMI cable is connected.

Shooting

Shoot photos and record movies while viewing the scene through the camera lens on or saving footage to the HDMI device.



This feature can be used to save 4K and Full HD movies to an HDMI recorder.

Playback

To start playback, press the camera \blacktriangleright button. The camera monitor turns off and pictures and movies are output to the HDMI device. Note that the camera volume controls have no effect on sounds played on the TV; use the television volume controls to adjust the volume.



Some televisions may briefly display a black screen when movie playback begins.

Wireless Transfer

Access wireless networks and connect to computers, smartphones, or tablets.

For downloads and other information, visit: *http://fujifilm-dsc.com/wifi/*

fujifilm Wi-Fi app



Install the "FUJIFILM Camera Remote" app on your smartphone to browse the images on the camera, download selected images, control the camera remotely, or copy location data to the camera. Once the app is installed, connect using the SHOOTING SETTING > WIRELESS COMMUNICATION or PLAY BACK MENU > WIRELESS COMMUNICATION options in the camera menus.



Wireless Connections: Computers

Once you have installed the "FUJIFILM PC AutoSave" application and configured your computer as a destination for the images copied from the camera, you can upload pictures from the camera using **D PLAY BACK MENU > PC AUTO SAVE**.



Connecting to Computers via USB

Copy pictures to a computer via USB.

Windows

Use MyFinePix Studio to copy pictures to your computer, where they can be stored, viewed, organized, and printed. MyFinePix Studio is available for download from the following website:

http://fujifilm-dsc.com/mfs/

fujifilm mfs



You may need the Windows CD when starting the software for the first time.

Mac OS X/macOS

Pictures can be copied to your computer using Image Capture (supplied with your computer) or other software.

-Viewing RAW Files-

To view RAW files on your computer, use RAW FILE CONVERTER EX 2.0, available for download from: http://fujifilm-dsc.com/rfc/

fujifilm rfc

Connecting the Camera

- 1 Find a memory card containing pictures you want to copy to the computer and insert the card into the camera.
 - - Loss of power during transfer could result in loss of data or damage to the memory card. Insert a fresh or fully-charged battery before connecting the camera.

2 Ready a third-party USB 2.0 cable with a Micro USB (Micro-B) connector. Turn the camera off and connect the cable, making sure the connectors are fully inserted.



- 3 Turn the camera on.
- 4 Copy pictures to the computer using MyFinePix Studio or applications provided with your operating system.
- **5** When transfer is complete, turn the camera off and disconnect the USB cable.

If a memory card containing a large number of images is inserted, there may be a delay before the software starts and you may be unable to import or save images. Use a memory card reader to transfer pictures.

The USB cable must be no more than 1.5 m (4.9 ft.) long and be suitable for data transfer. Connect the camera directly to the computer; do not use a USB hub or keyboard.

Make sure that the computer does not display a message stating that copying is in progress and that the indicator lamp is out before turning the camera off or disconnecting the USB cable (if the number of images copied is very large, the indicator lamp may remain lit after the message has cleared from the computer display). Failure to observe this precaution could result in loss of data or damage to the memory card.

Disconnect the camera before inserting or removing memory cards.

In some cases, it may not be possible to access pictures saved to a network server using the software in the same way as on a standalone computer.

The user bears all applicable fees charged by the phone company or Internet service provider when using services that require an Internet connection.

instax SHARE Printers

Print pictures from your digital camera to instax SHARE printers.

Establishing a Connection

Select CONNECTION SETTING > instax PRINTER CONNECTION SETTING and enter the instax SHARE printer name (SSID) and password.

The Printer Name (SSID) and Password

The printer name (SSID) can be found on the bottom of the printer; the default password is "1111". If you have already chosen a different password to print from a smartphone, enter that password instead.



Printing Pictures

- Turn the printer on.
- Select D PLAY BACK MENU > instax PRINTER PRINT. The camera will connect to the printer.

| instax PRINTER PRINT |
|-----------------------|
| |
| 🚔 instax-12345678 |
| CONNECTING TO PRINTER |
| FUJIFILM-CAMERA-1234 |
| |
| BACK CANCEL |



No print a frame from a burst sequence, display the frame before selecting instax PRINTER PRINT.

3 Use the selector to display the selector reading the picture you want to print, then press MENU/OK.



Pictures taken with other cameras can not be printed.

The area printed is smaller than the area visible in the ICD monitor.

4 The picture will be sent to the printer and printing will start.



Technical Notes

Accessories from FUJIFILM

The following optional accessories are available from FUJIFILM. For the latest information on the accessories available in your region, check with your local FUJIFILM representative or visit http://www.fujifilm.com/products/ digital_cameras/index.html.

Rechargeable Li-ion batteries

NP-W126/NP-W1265: Additional high-capacity NP-W126/ NP-W126S rechargeable batteries can be purchased as required.

Battery chargers

BC-W126: Replacement battery chargers can be purchased as required. At +20°C/+68°F, the BC-W126 charges an NP-W126/NP-W126S in about 150 minutes.



AC power adapters

AC-9V (requires CP-W126 DC coupler): Use this 100–240 V, 50/60 Hz AC power adapter for extended shooting and playback or when copying pictures to a computer.

DC couplers

CP-W126: Connect the AC-9V to the camera.

Remote releases

RR-90: Use to reduce camera shake or keep the shutter open during a time exposure.



Stereo microphones

MIC-ST1: An external microphone for movie recording.

FUJINON lenses

XF-series lenses: Interchangeable lenses for use exclusively with the FUJIFILM X-mount.

XC-series lenses: Interchangeable lenses for use exclusively with the FUJIFILM X-mount.

Shoe-mounted flash units

EF-X500: This clip-on flash unit has a Guide Number of 50/164 (ISO 100, m/ft.) and supports FP (high-speed sync), allowing it to be used at shutter speeds that exceed the flash sync speed. Powered by four AA batteries or an optional BF-BP1 battery pack, it supports manual and TTL flash control and auto power zoom in the range 24–105 mm (35 mm format equivalent) and features FUJIFILM optical wireless flash control, allowing it to be used as a master or remote flash unit for remote wireless flash photography. The flash head can be rotated 90° up, 10° down, 135° left, or 180° right for bounce lighting.



echnical Notes



EF-42: This clip-on flash unit (powered by four AA batteries) has a Guide Number of 42/137 (ISO 100, m/ft.) and supports manual and TTL flash control and auto power zoom in the range 24–105 mm (35 mm format equivalent). The flash head can be rotated 90° up, 180° left, or 120° right for bounce lighting.

EF-X20: This clip-on flash unit has a Guide Number of 20/65 (ISO 100, m/ft.). Powered by two AAA batteries, this light, compact unit features a dial for adjusting TTL flash compensation or manual flash output.

EF-20: This clip-on flash unit (powered by two AA batteries) has a Guide Number of 20/65 (ISO 100, m/ft.) and supports TTL flash control (manual flash control is not supported). The flash head can be rotated upwards 90° for bounce lighting.

Hand grips

MHG-XT10: Features an improved grip. Batteries and memory cards can be removed with the grip in place, and the grip is equipped with a rail for quick-shoe camera mounts.

Leather cases

BLC-XT10: This case combines practicality with the luxury of leather and comes with a cloth that can be used to wrap the camera before putting it in the case and on other occasions. Pictures can be taken and batteries inserted or removed with the camera still in its case.





Grip belts

GB-001: Improves grip. Combine with a hand grip for more secure handling.

Macro extension tubes

MCEX-11/16: Attach between the camera and the lens to shoot at high reproduction ratios.

Teleconverters

XF1.4X TC WR: Increases the focal length of the compatible lenses by about $1.4\times$.

XF2X TC WR: Increases the focal length of the compatible lenses by about 2.0×.

Mount adapters

FUJIFILM M MOUNT ADAPTER: Allows the camera to be used with a wide selection of M-mount lenses.

Body caps

BCP-001: Cover the camera lens mount when no lens is attached.

instax SHARE printers

SP-1/SP-2: Connect via wireless LAN to print pictures on instax film.

For Your Safety

IMPORTANT SAFETY INSTRUCTIONS

- is operated.
- Retain Instructions: The safety and operating in- overheating, and these openings must not be
- in the operating instructions should be adhered to. bed, sofa, rug, or other similar surface.
- Follow Instructions: All operating and use instructions should be followed

Installation

Power Sources: This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your ap- Attachments: Do not use attachments not recomproducts intended to operate from battery power, they may cause hazards. or other sources, refer to the operating instructions.

Grounding or Polarization: This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact vour electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Alternate Warnings: This video product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

extension cords as this can result in a risk of fire recommended by the manufacturer. or electric shock

• Read Instructions: All the safety and operating in- Ventilation: Slots and openings in the cabinet are structions should be read before the appliance provided for ventilation, to ensure reliable operation of the video product and to protect it from structions should be retained for future reference. blocked or covered. The openings should never . Heed Warnings: All warnings on the appliance and be blocked by placing the video product on a

> This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. This video product should never be placed near or over a radiator or heat register.

pliance dealer or local power company. For video mended by the video product manufacturer as

Water and Moisture: Do not use this video product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

Power-Cord Protection: Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Accessories: Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's in-Overloading: Do not overload wall outlets and structions, and should use a mounting accessory

For Your Safety

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn



Antennas

Outdoor Antenna Grounding: If an outside antenna or cable system is connected to the video product, be Lightning: For added protection for this video sure the antenna or cable system is grounded so as product receiver during a lightning storm, or to provide some protection against voltage surges when it is left unattended and unused for long and built-up static charges. Section 810 of the Na- periods of time, unplug it from the wall outlet tional Electrical Code, ANSI/NFPA No. 70, provides and disconnect the antenna or cable system. This information with respect to proper grounding of the mast and supporting structure, grounding of lightning and power-line surges. the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Use

Cleaning: Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Object and Liquid Entry: Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

will prevent damage to the video product due to

Service

Servicing: Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to gualified service personnel.

Damage Requiring Service: Unplug this video product from the wall outlet and refer servicing to gualified service personnel under the following conditions:

- When the power-supply cord or plug is damaged
- If liquid has been spilled, or objects have fallen into the video product.
- . If the video product has been exposed to rain or water.
- If the video product has been dropped or the cabinet has been damaged.

If the video product does not operate normally follow the operating instructions. Adjust only those controls that are covered by the operating Power Lines: An outside antenna system should not instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation. When the video product exhibits a distinct change in performance — this indicates a need for service.

required, be sure the service technician has used repairs to this video product, ask the service techreplacement parts specified by the manufacturer nician to perform safety checks to determine that or have the same characteristics as the original the video product is in proper operating condition. part. Unauthorized substitutions may result in fire, electric shock or other hazards.

Replacement Parts: When replacement parts are Safety Check: Upon completion of any service or

Be sure to read these notes before use

Safety Notes

- Make sure that you use your camera correctly. Read these safety notes and your Owner's Manual carefully before use.
- · After reading these safety notes, store them in a safe place.

About the lcons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.



This icon indicates that death WARNING or serious injury can result if the information is ignored.



This icon indicates that personal CAUTION injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.



dicate an action that must be performed ("Required").

The symbols on the product (including the accesories) represent the following:



Class II equipment (The construction of

the product is double-insulated.)

WARNING

If a problem arises, turn the camera off, remove the battery, and disconnect and unplug the AC power adapter. Continued use of the camera when it is emitting smoke, is emitmpower ting any unusual odor, or is in any other socket abnormal state can cause a fire or electric shock. Contact your FUJIFILM dealer.

Do not allow water or foreian objects to enter the camera. If water or foreign objects get

inside the camera, turn the camera off. remove the battery, and disconnect and unplug the AC power adapter. Continued use of the camera can cause a fire or electric shock. Contact your FUJIFILM dealer.

Do not use the camera in the bathroom or shower. This can cause a fire or electric use in the shock.

Never attempt to change or take apart the camera (never open the case). Failure to observe this precaution can cause fire or electric shock.

For Your Safety



| | / WARNING | <u></u> | CAUTION |
|-------------------|--|-----------------|---|
| | When carrying the battery, install it in a dig- | Do not cover o | r wrap the camera or the AC |
| | ital camera or keep it in the hard case. When | power adapter | in a cloth or blanket. This can |
| | storing the battery, keep it in the hard case. | Cause heat to l | build up and distort the cas- |
| | When discarding, cover the battery terminals | ing or cause a | fire. |
| | with insulation tape. Contact with other | When you are o | cleaning the camera or you do |
| | metallic objects or batteries could cause | | e the camera for an extended |
| | the battery to ignite or burst. | | e the battery and disconnect |
| | Keep memory cards, hot shoes, and other | | e AC power adapter. Failure |
| | small parts out of the reach of small children. | | ause a fire or electric shock. |
| $\mathbf{\Omega}$ | Children may swallow small parts; keep | | ends, unplug the charger from the |
| U | out of reach of children. Should a child | | eaving the charger plugged |
| | swallow a small part, seek medical atten- | | r socket can cause a fire. |
| | tion or call emergency. | | card is removed, the card could |
| | Keep out of reach of small children. Among | | <u>lot too quickly. Use your finger to</u> |
| | the elements that could cause injury are the | | l <u>y release the card.</u> Injury could |
| | strap, which could become entangled about | | struck by the ejected card. |
| - | a child's neck, causing strangulation, and the | | r internal testing and cleaning |
| | flash, which could cause visual impairment. | | a. Build-up of dust in your |
| | Follow the directions of airline and hospital | | ause a fire or electric shock. |
| (Γ) | personnel. This product generates radio-fre- guency emissions that could interfere with | | FUJIFILM dealer to request |
| | navigational or medical equipment. | | ing every two years. Please service is not free of charge. |
| | navigational of medical equipment. | | osion if battery is incorrectly |
| | CAUTION | | ace only with the same or |
| _ | Do not use this camera in locations affected by | equivalent type | |
| \wedge | oil fumes, steam, humidity or dust. This can | cquivacit type | <u>.</u> |
| \square | cause a fire or electric shock. | | |
| | Do not leave this camera in places subject to ex- | | |
| \wedge | tremely high temperatures. Do not leave the | | |
| \bigcirc | camera in locations such as a sealed vehicle | | |
| | or in direct sunlight. This can cause a fire. | | |
| | Do not place heavy objects on the camera. | | |
| (| This can cause the heavy object to tip over | | |
| \square | or fall and cause injury. | | |
| | Do not move the camera while the AC power | | |
| \sim | adapter is still connected. Do not pull on the | | |
| (\mathbb{N}) | connection cord to disconnect the AC pow- | | |
| \sim | er adapter. This can damage the power cord | | |
| | or cables and cause a fire or electric shock. | | |

The Battery and Power Supply

Note: Check the type of battery used in your camera Battery Life and read the appropriate sections.

The following describes the proper use of batteries and how to prolong their life. Incorrect use can shorten battery life or cause leakage, overheating, fire, or explosion.

Li-ion Batteries

Read this section if your camera uses a recharaeable Li-ion battery.

The battery is not charged at shipment. Charge the battery before use. Keep the battery in its case when not in use.

Notes on the Battery

The battery gradually loses its charge when not in use. Charge the battery one or two days before use.

Battery life can be extended by turning the camera off when not in use.

Battery capacity decreases at low temperatures; • Do not expose to flame or heat. a depleted battery may not function when cold. • Do not disassemble or modify. Keep a fully charged spare battery in a warm . Use with designated chargers only. place and exchange as necessary, or keep the . Dispose of used batteries promptly. battery in your pocket or other warm place and • Do not drop or subject to strong physical shocks. insert it in the camera only when shooting. Do • Do not expose to water. not place the battery in direct contact with hand . Keep the terminals clean. warmers or other heating devices.

Charging the Battery

Charge the battery in the supplied battery char- Disposal ger. Charging times will increase at ambient tem- Dispose of used batteries in accord with local peratures below +10 °C (+50 °F) or above +35 °C regulations. (+95 °F). Do not attempt to charge the battery at temperatures above 40 °C (+104 °F); at temperatures below 0 °C (+32 °F), the battery will not charge.

Do not attempt to recharge a fully charged battery. The battery does not however need to be fully discharged before charging.

The battery may be warm to the touch immediately after charging or use. This is normal.

At normal temperatures, the battery can be recharged about 300 times. A noticeable decrease in the length of time the battery will hold a charge indicates that it has reached the end of its service life and should be replaced.

Storage

Performance may be impaired if the battery is left unused for extended periods when fully charged. Run the battery flat before storing it.

If the camera will not be used for an extended period, remove the battery and store it in a dry place with an ambient temperature of from +15℃ to +25 °C (+59 °F to +77 °F). Do not store in locations exposed to extremes of temperature.

■ Cautions: Handling the Battery

- · Do not transport or store with metal objects such as necklaces or hairpins.

- The battery and camera body may become warm to the touch after extended use. This is normal.

| 00 | | |
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| | | |

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AC Power Adapters (Available Separately)

Use only FUJIFILM AC power adapters designated for use with this camera. Other adapters could damage the camera.

- The AC power adapter is for indoor use only.
- · Be sure the DC plug is securely connected to the camera
- Turn the camera off before disconnecting the adapter. Disconnect the adapter by the plug, not the cable.

- Do not use with other devices.
- Do not disassemble.
- . Do not expose to high heat and humidity.
- Do not subject to strong physical shocks.
- The adapter may hum or become hot to the
- touch during use. This is normal.
- If the adapter causes radio interference, reorient or relocate the receiving antenna.

Using the Camera

- Do not aim the camera at extremely bright light Handling sources, such as the sun in a cloudless sky. Fail- To ensure that images are recorded correctly, the camera image sensor.
- Strong sunlight focused through the viewfinder may damage the panel of electronic viewfinder (EVF). Do not aim the electronic viewfinder at the sun

Take Test Shots

Before taking photographs on important occasions (such as at weddings or before taking the camera on a trip), take a test shot and view the results to ensure that the camera is functioning normally. FUJIFILM Corporation can not accept liability for damages or lost profits incurred as a result of product malfunction.

Notes on Copyriaht

Unless intended solely for personal use, images recorded using your digital camera system cannot be used in ways that infringe copyright laws without the consent of the owner. Note that some restrictions apply to the photographing of stage performances, entertainments, and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory cards containing images or data protected under copyright laws is only permissible within the restrictions imposed by those copyright laws.

ure to observe this precaution could damage do not subject the camera to impact or physical shocks while images are being recorded.

Liauid Crystal

In the event that the display is damaged, care should be taken to avoid contact with liquid crystal. Take the urgent action indicated should any of the following situations arise:

- If liquid crystal comes in contact with your skin. clean the area with a cloth and then wash thoroughly with soap and running water.
- If liquid crystal enters your eyes, flush the affected eve with clean water for at least 15 minutes. and then seek medical assistance.
- If liquid crystal is swallowed, rinse your mouth thoroughly with water. Drink large guantities of water and induce vomiting, then seek medical assistance.

Although the display is manufactured using extremely high-precision technology, it may contain pixels that are always lit or that do not light. This is not a malfunction, and images recorded with the product are unaffected.

For Your Safety

Trademark Information

Digital Split Image is a trademark or registered NTSC (National Television System Committee) is trademark of FUJIFILM Corporation. xD-Picture a color television telecasting specification adopt-Card and *2020*, are trademarks of FUJIFILM Cor- ed mainly in the U.S.A., Canada, and Japan. PAL poration. The typefaces included herein are solely (Phase Alternation by Line) is a color television developed by DynaComware Taiwan Inc. Macin- system adopted mainly in European countries tosh, Mac OS, and macOS are trademarks of Apple and China. Inc. in the U.S.A. and other countries. Windows is a registered trademark of Microsoft Corporation in the U.S.A. and other countries. Wi-Fi® and Wi-Fi Protected Setup® are registered trademarks of the Wi-Fi Alliance. The SDHC and SDXC logos are trademarks of SD-3C, LLC. The HDMI logo is a trademark. All other trade names mentioned in this manual are the trademarks or registered trademarks of their respective owners.

Color Television Systems

Exif Print (Exif Version 2.3)

Exif Print is a newly revised digital camera file format in which information stored with photographs is used for optimal color reproduction during printing.

IMPORTANT NOTICE: Read Before Using the Software

Direct or indirect export, in whole or in part, of licensed software without the permission of the applicable governing bodies is prohibited.

Electrical Interference

This camera may interfere with hospital or aviation equipment. Consult with hospital or airline staff before using the camera in a hospital or on an aircraft.

NOTICES

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Please read the "Safety Notes" and make sure you understand them before using the camera.

Perchlorate Material—special handling may apply. See: http://www.dtsc.ca.gov/hazardouswaste/perchlorate

For Customers in the U.S.A.

Tested To Comply With FCC Standards FOR HOME OR OFFICE USE



FCC Statement: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement: This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

Notes on the Grant: To comply with Part 15 of the FCC Rules, this product must be used with a Fujifilm-specified ferrite-core A/V cable, USB cable, and DC supply cord.



A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

For Customers in Canada CAN ICES-3 (B)/NMB-3(B)

CAUTION: This Class B digital apparatus complies with Canadian ICES-003.

Industry Canada statement: This device complies with Industry Canada's licence-exempt RSss. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

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For Your Safety

This device and its antenna(s) must not be co-lo- This symbol on the batteries or accucated or operating in conjunction with any other mulators indicates that those batterantenna or transmitter, except tested built-in radi- ies shall not be treated as household os. The County Code Selection feature is disabled waste. for products marketed in the US/ Canada.

entific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. X-T20 has been tested and found to comply with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

Disposal of Electrical and Electronic Equipment in Private Households

In the European Union, Norway, Iceland and Liechtenstein: This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product

shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative conseguences to the environment and human health. which could otherwise be caused by inappropriate waste handling of this product.

If your equipment contains easy removable Radiation Exposure Statement: The available sci- batteries or accumulators please dispose these separately according to your local requirements.

> The recycling of materials will help to conserve natural resources. For more detailed information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

> In Countries Outside the European Union, Norway, Iceland and Liechtenstein: If you wish to discard this product, including the batteries or accumulators, please contact your local authorities and ask for the correct way of disposal.

In Japan: This symbol on the batteries indicates that they are to be disposed of separately.



Be sure to read these notes before use

parts

Safety Notes

- Make sure that you use the lens correctly. Read these safety notes and the camera Owner's Manual carefully before use.
- After reading these safety notes, store them in a safe place.

About the Icons

The icons shown below are used in this document to indicate the severity of the injury or damage that can result if the information indicated by the icon is ignored and the product is used incorrectly as a result.



This icon indicates that death WARNING or serious injury can result if the information is ignored.



This icon indicates that personal CAUTION injury or material damage can result if the information is ignored.

The icons shown below are used to indicate the nature of the instructions which are to be observed.



Circular icons with a diagonal bar tell you that the action indicated is prohibited ("Prohibited")

Filled circles with an exclamation mark indicate an action that must be performed ("Required")

WARNING

Do not immerse in or expose to water. Failure to observe this precaution can cause a fire or electric shock.

Do not disassemble (do not open the case). Failure to observe this precaution can cause fire, electric shock, or injury due to product malfunction

🗥 WARNING

Should the case break open as the result of a fall or other accident, do not touch the exposed

parts. Failure to observe this precaution could result in electric shock or in injury from touching the damaged parts. Remove touch internal the battery immediately, taking care to avoid injury or electric shock, and take the product to the point of purchase for consultation.

Do not place on unstable surfaces. The product may fall, causing injury.

Do not view the sun through the lens or camera viewfinders. Failure to observe this precaution can cause permanent visual impairment.

\wedge caution

Do not use or store in locations that are exposed to steam, or smoke or are very humid or extremely dusty. Failure to observe this precaution can cause fire or electric shock Do not leave in direct sunliaht or in locations subject to very high temperatures, such as in a closed vehicle on a sunny day. Failure to observe this precaution can cause fire. Keep out of the reach of small children. This product could cause injury in the hands of a child. Do not handle with wet hands. Failure to observe this precaution can cause electric shock

Keep the sun out of the frame when shooting backlit subjects. Sunlight focused into the camera when the sun is in or close to the frame can cause fire or burns.

When the product is not in use, replace the lens caps and store out of direct sunlight. Sunlight focused by the lens can cause fire or burns

Do not carry the camera or lens while they are attached to a tripod. The product can fall or strike other objects, causing injury.
For Your Safety

European Union Regulatory Notice

This product complies with the following EU Directives:

- RoHS Directive 2011/65/EU
- RE Directive 2014/53/EU

Hereby, FUJIFILM Corporation declares that the radio equipment type FF160006 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http:// www.fujifilm.com/products/digital_cameras/x/ fujifilm_x_t20/pdf/index/fujifilm_x_t20_cod.pdf

This compliance is indicated by the following conformity marking placed on the product:

CE

This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g. Bluetooth).

IMPORTANT: Read the following notices before using the camera's built-in wireless transmitter.

- This product, which contains encryption function developed in the United States, is controlled by the United States Export Administration Regulations and may not be exported or re-exported to any country to which the United States embargoes goods.
- Use only as part of a wireless network. FUJIFILM does not accept liability for damages resulting from unauthorized use. Do not use in applications requiring a high degree of reliability, for example in medical devices or other systems that may directly or indirectly impact human life. When using the device in computer and other systems that demand a greater degree of reliability than wireless networks, be sure to take all necessary precautions to ensure safety and prevent malfunction.

- Use only in the country in which the device was purchased. This device conforms to regulations governing wireless network devices in the country in which it was purchased. Observe all location regulations when using the device. FUJIFILM does not accept liability for problems arising from use in other jurisdictions.
- Wireless data (images) may be intercepted by third parties. The security of data transmitted over wireless networks is not guaranteed.
- Do not use the device in locations subject to magnetic fields, static electricity, or radio interference.
 Do not use the transmitter in the vicinity of microwave ovens or in other locations subject to magnetic fields, static electricity, or radio interference that may prevent reception of wireless signals. Mutual interference may occur when the transmitter is used in the vicinity of other wireless devices operating in the 2.4 GHz band
- <u>The wireless transmitter operates in the 2.4 GHz</u> band using DSSS and OFDM modulation.

Wireless Network Devices: Cautions

- This device operates on the same frequency as commercial, educational, and medical devices and wireless transmitters. It also operates on the same frequency as licensed transmitters and special unlicensed low-voltage transmitters used in RFID tracking systems for assembly lines and in other similar applications.
- To prevent interference with the above devices, observe the following precautions. Confirm that the RFID transmitter is not in operation before using this device. Should you observe that the device causes interference in licensed transmitters used for RFID tracking, immediately stop using the affected frequency or move the device to another location. If you notice that this device causes interference in low-voltage RFID tracking systems, contact a FUJIFILM representative.



This sticker indicates that this device operates in the 2.4 GHz band using DSSS and OFDM modulation and may cause interference at distances of up to 40 m.

Product Care

To ensure continued enjoyment of the product, observe the following precautions.

Camera body: Use a soft, dry cloth to clean the camera body after each use. Do not use alcohol, thinner, or other volatile chemicals, which could discolor or deform the leather on the camera body. Any liquid on the camera should be removed immediately with a soft, dry cloth. Use a blower to remove dust from the monitor, taking care to avoid scratches, and then gently wipe with a soft, dry cloth. Any remaining stains can be removed by wiping gently with a piece of FUJIFILM lens-cleaning paper to which a small amount of lens-cleaning fluid has been applied. To prevent dust entering the camera, replace the body cap when no lens is in place.

Image sensor: Multiple photographs marred by spots or blotches in identical locations may indicate the presence of dust on the image sensor. Clean the sensor using **Z** USER SETTING > SENSOR CLEANING.

Cleaning the Image Sensor

Dust that can not be removed using **Z** USER SETTING > SENSOR CLEANING can be removed manually as described below.

- Note that there will be a charge to repair or replace the image sensor if it is damaged during cleaning.
 - 1 Use a blower (not a brush) to remove dust from the sensor.
 - Do not use a brush or blower brush. Failure to observe this precaution could damage the sensor.



- 2 Check whether the dust has been successfully removed. Repeat Steps 1 and 2 as necessary.
- 3 Replace the body cap or lens.

Firmware Updates

Updates to product firmware may result in changes not described in the manual. For more information, visit:

http://www.fujifilm.com/support/digital_cameras/ software

fujifilm firmware



Checking the Firmware Version

- The camera will only display the firmware version if a memory card is inserted.
 - Turn the camera off and check that a memory card is inserted.
- 2 Turn the camera on while pressing the **DISP/BACK** button. The current firmware version will be displayed; check the firmware version.
- 3 Turn the camera off.



Troubleshooting

Consult the table below should you encounter problems using your camera. If you don't find the solution here, contact your local FUJIFILM distributor.

Power and Battery

| Problem | Solution |
|------------------|--|
| | • The battery is exhausted: Charge the battery or insert |
| | a fully-charged spare battery (📰 32). |
| The camera does | • The battery is inserted incorrectly: Reinsert in the |
| not turn on. | correct orientation (📰 37). |
| | • The battery-chamber cover is not latched: Latch the |
| | battery-chamber cover (🗐 38). |
| The monitor | The monitor may not turn on if the camera is turned |
| does not turn | off and then on again very quickly. Press the shutter |
| on. | button halfway to activate the monitor. |
| | • The battery is cold: Warm the battery by placing it |
| | in a pocket or other warm place and reinsert it in |
| | the camera immediately before taking a picture. |
| | • There is dirt on the battery terminals: Clean the ter- |
| The battery runs | minals with a soft, dry cloth. |
| down quickly. | ON is selected for AF/MF SETTING > PRE- |
| | AF: Turn PRE-AF off (📺 137). |
| | • The battery has been charged many times: The bat- |
| | tery has reached the end of its charging life. Pur- |
| | chase a new battery. |

Troubleshooting

| Problem | Solution | |
|-------------------|--|--|
| The camera turns | The battery is exhausted: Charge the battery or insert a | |
| off suddenly. | fully-charged spare battery (🗐 32). | |
| Chaunin a da sa | Reinsert the battery in the correct orientation | |
| Charging does | and make sure that the charger is plugged in | |
| not start. | (32). | |
| Charging is slow. | Charge the battery at room temperature. | |
| | • There is dirt on the battery terminals: Clean the ter- | |
| The charging | minals with a soft, dry cloth. | |
| lamp blinks, but | • The battery has been charged many times: The battery | |
| the battery does | has reached the end of its charging life. Purchase | |
| not charge. | a new battery. If the battery still fails to charge, | |
| - | contact your FUJIFILM dealer (🗐 290). | |

Menus and Displays

| Problem | | | Sol | ution | | |
|-------------------|--------|------------|--------|-------|---------|---|
| Display is not in | Select | ENGLISH | for | USER | SETTING | > |
| English. | 言語/L | ANG. (📺 46 | 5, 204 | 1). | | |

| Shooting | | |
|-------------------|--|--|
| Problem | Solution | |
| | • The memory card is full: Insert a new memory card | |
| No picture is | or delete pictures (📰 36, 183). | |
| taken when the | • The memory card is not formatted: Format the mem- | |
| shutter button is | ory card (🗐 201). | |
| pressed. | • There is dirt on the memory card contacts: Clean the | |
| | contacts with a soft, dry cloth. | |

| Problem | Solution |
|--|---|
| No picture is taken when the shutter button is pressed (continued). | The memory card is damaged: Insert a new memory card (== 36). The battery is exhausted: Charge the battery or insert a fully-charged spare battery (== 32). The camera has turned off automatically: Turn the camera on (== 42). You are using a third-party mount adapter: Select ON for SHOOT WITHOUT LENS (== 228). The indicator lamp was orange when you attempted to record a panorama: Wait until the indicator lamps turns off (== 10). |
| Mottling ("noise") appears in the monitor or view- finder when the shutter button is pressed halfway. | Gain is increased to aid composition when the subject is poorly lit and aperture is stopped down, which may result in noticeable mottling when images are previewed in the displays. Images taken with the camera are unaffected. |
| The camera does not focus. | The subject is not suited to autofocus: Use focus lock or manual focus (|

| Problem | Solution |
|------------------|---|
| | • The subject's face is obscured by sunglasses, a hat, |
| | long hair, or other objects: Remove the obstructions |
| | (🗐 138). |
| | The subject's face occupies only a small area of the frame: |
| No face is | Change the composition so that the subject's face |
| detected. | occupies a larger area of the frame (🗐 138). |
| | • The subject's head is tilted or horizontal: Ask the sub- |
| | ject to hold their head straight (🗐 138). |
| | The camera is tilted: Keep the camera level. |
| | The subject's face is poorly lit: Shoot in bright light. |
| | The selected subject is closer to the center of the |
| Wrong subject is | frame than the main subject. Recompose the pic- |
| selected. | ture or turn face detection off and frame the picture |
| | using focus lock (📺 92). |
| | The flash is disabled: Adjust settings () 107). |
| | The flash is lowered: Raise the flash () 107). |
| | • The battery is exhausted: Charge the battery or insert |
| The flash does | a fully-charged spare battery (📰 32). |
| not fire. | • The camera is in bracketing or continuous mode: Se- |
| | lect single frame mode (🗐 6). |
| | • OFF is selected for SOUND & FLASH: Select ON |
| | (📃 206). |

| Problem | Solution |
|---|--|
| The flash does not fully light the subject. | The subject is not in range of the flash: Position the subject in range of the flash. The flash window is obstructed: Hold the camera correctly. Shutter speed is faster than the sync speed: Choose a slower shutter speed (64, 72). |
| Some flash modes are not available. | OFF is selected for SOUND & FLASH : Select ON (E) 206). |
| Pictures are blurred. | The lens is dirty: Clean the lens (= 276). The lens is blocked: Keep objects away from the lens (= 49). ! AF is displayed during shooting and the focus frame is displayed in red: Check focus before shooting (= 50). |
| Pictures are mottled. | Shutter speed is slow and the ambient temperature is high: This is normal and does not indicate a malfunction. Pixel mapping is required: Perform pixel mapping using IMAGE QUALITY SETTING > PIXEL MAPPING (I) 130). The camera has been used continuously at high temperatures or a temperature warning is displayed: Turn the camera off and wait for it to cool down (I) 42). |

| Playback | |
|------------------------------------|---|
| Problem | Solution |
| Pictures are | The pictures were taken with a different make or |
| grainy. | model of camera. |
| Playback zoom is | The pictures were created using RESIZE or with a |
| unavailable. | different make or model of camera. |
| No sound in movie playback. | Playback volume is too low: Adjust playback volume (211). The microphone was obstructed: Hold the camera correctly during recording. The speaker is obstructed: Hold the camera correctly during playback. OFF is selected for SOUND & FLASH: Select ON (206). |
| Selected pictures are not deleted. | Some of the pictures selected for deletion are pro- tected. Remove protection using the device with which it was originally applied (2) 188). |
| File numbering | The battery-chamber cover was opened while the |
| is unexpectedly | camera was on. Turn the camera off before opening |
| reset. | the battery-chamber cover (📺 234). |

Connections

| Problem | Solution |
|------------------------------|---|
| | The camera is connected to a TV: Pictures will be dis- |
| The monitor is blank. | played on the TV instead of in the camera monitor |
| | (= 278). |
| | • The camera is not properly connected: Connect the |
| | camera properly (📰 278). |
| No picture or | • Input on the television is set to "TV": Set input to "HDMI" |
| sound on TV. | (== 278). |
| | • The volume on the TV is too low: Use the controls on |
| | the television to adjust the volume. |
| Both the TV and | The display mode selected with the VIEW MODE button |
| | is EVF ONLY + 🜨: Put your eye to the viewfind- |
| camera monitor are blank. | er or use the VIEW MODE button to choose another |
| are pidlik. | display mode. |
| The computer | Be sure the camera and computer are correctly con- |
| does not recog- | nected (E 282). |
| nize the camera. | necteu () 282). |
| Can not transfer | Use MyFinePix Studio to transfer pictures (Windows |
| RAW or JPEG files | only; \equiv 282). |
| to computer. | onny, <u>—</u> 202). |

Wireless Transfer

For additional information on troubleshooting wireless connections, visit: http://digital-cameras.support. fujifilm.com/app?pid=x

| Problem | Solution |
|------------------|---|
| Problem | • The smartphone is too far away: Move the devices |
| connecting | closer (📰 280). |
| or uploading | • Nearby devices are causing radio interference: Move |
| pictures to | the camera and smartphone away from micro- |
| smartphone. | wave ovens or cordless phones (280). |
| | • The smartphone is connected to another device: The |
| | smartphone and camera can connect to only one |
| | device at a time. End the connection and try again |
| | (280). |
| Can not upload | • There are several smartphones in the vicinity: Try con- |
| images. | necting again. The presence of multiple smart- |
| | phones can make connection difficult (💓 280). |
| | • The current image is a movie or was created on |
| | another device and can not be uploaded to a |
| | smartphone (📰 280). |
| | Select ON for CONNECTION SETTING > |
| Currentenhana | WIRELESS SETTING > RESIZE IMAGE FOR |
| Smartphone | SMARTPHONE Selecting OFF increases |
| will not display | upload times for larger images; in addition, some |
| pictures. | phones may not display images over a certain size |
| | (= 237). |

Miscellaneous

| Problem | Solution |
|---|---|
| The camera is unresponsive. | Temporary camera malfunction: Remove and reinsert the battery () 36). The battery is exhausted: Charge the battery or insert a fully-charged spare battery () 32). The camera is connected to a wireless LAN: End the connection. |
| The camera does not function as expected. | Remove and reinsert the battery (36). If the problem persists, contact your FUJIFILM dealer. |
| No sound. | Adjust the volume () 208). OFF is selected for SOUND & FLASH: Select ON () 206). |
| Pressing the Q button does not display the quick menu. | TTL-LOCK is active: End TTL-LOCK (🗐 251). |

Warning Messages and Displays

The following warnings appear in the display.

| Warning | Description | | |
|---|---|--|--|
| • (red) | Low battery. Charge the battery or insert a ful- ly-charged spare battery. | | |
| • (blinks red) | Battery exhausted. Charge the battery or insert a fully-charged spare battery. | | |
| !AF (displayed in red with red focus frame) | The camera can not focus. Use focus lock to focus on another subject at the same distance, then recompose the picture. | | |
| Aperture or shutter speed displayed in red | The subject is too bright or too dark and the pic- ture will be over- or under-exposed. Use the flash for additional lighting when taking photographs of poorly-lit subject. | | |
| FOCUS ERROR LENS CONTROL ERROR TURN OFF THE CAMERA AND TURN ON AGAIN | Camera malfunction. Turn the camera off and then on again. If the message persists, contact a FUJIFILM dealer. | | |
| NO CARD | The shutter can only be released when a memory card is inserted. Insert a memory card. | | |
| CARD NOT INITIALIZED | The memory card is not formatted or the memory card has been formatted in a computer or other device: For- mat the memory card using USER SETTING > FORMAT. | | |

| Warning | Description |
|-----------------------|--|
| | • The memory card contacts require cleaning: Clean the |
| CARD NOT | contacts with a soft, dry cloth. If the message is |
| INITIALIZED | repeated, format the card. If the message persists, |
| (continued) | replace the card. |
| | Camera malfunction: Contact a FUJIFILM dealer. |
| | Turn the camera off, remove the lens, and clean the |
| LENS ERROR | mounting surfaces, then replace the lens and turn |
| LENS EKKUK | the camera on. If the problem persists, contact a |
| | FUJIFILM dealer. |
| | • The memory card is not formatted for use in the cam- |
| | era: Format the card. |
| | The memory card contacts require cleaning or the memo- |
| CARD ERROR | ry card is damaged: Clean the contacts with a soft, dry |
| CARD ERROR | cloth. If the message is repeated, format the card. |
| | If the message persists, replace the card. |
| | • Incompatible memory card: Use a compatible card. |
| | Camera malfunction: Contact a FUJIFILM dealer. |
| PROTECTED CARD | The memory card is locked. Unlock the card. |
| DUCY | The memory card is incorrectly formatted. Use the |
| BUSY | camera to format the card. |
| | The memory card is full and pictures can not be |
| SD MEMORY FULL | recorded. Delete pictures or insert a memory card |
| | with more free space. |
| | • Memory card error or connection error: Reinsert the |
| WRITE ERROR | card or turn the camera off and then on again. If |
| | the message persists, contact a FUJIFILM dealer. |

| Warning | Description | | | | |
|-----------------|---|--|--|--|--|
| | Not enough memory remaining to record additional | | | | |
| | pictures: Delete pictures or insert a memory card | | | | |
| WRITE ERROR | with more free space. | | | | |
| (continued) | • The memory card is not formatted: Format the mem- | | | | |
| | ory card. | | | | |
| | The camera has run out of frame numbers (cur- | | | | |
| | rent frame number is 999-9999). Insert a format- | | | | |
| FRAME NO. FULL | ted memory card and select RENEW for Z SAVE | | | | |
| FRAME NO. FULL | DATA SETTING > FRAME NO. Take a picture | | | | |
| | to reset frame numbering to 100-0001, then select | | | | |
| | CONTINUOUS for FRAME NO. | | | | |
| | The file is corrupt or was not created with the camera: | | | | |
| | The file can not be viewed. | | | | |
| | • The memory card contacts require cleaning: Clean the | | | | |
| READ ERROR | contacts with a soft, dry cloth. If the message is | | | | |
| | repeated, format the card. If the message persists, | | | | |
| | replace the card. | | | | |
| | Camera malfunction: Contact a FUJIFILM dealer. | | | | |
| PROTECTED | An attempt was made to delete or rotate to a pro- | | | | |
| FRAME | tected picture. Remove protection and try again. | | | | |
| CAN NOT CROP | The picture is damaged or was not created with the | | | | |
| CAN NUT CHUP | camera. | | | | |
| DPOF FILE ERROR | Print orders can contain no more than 999 pictures. | | | | |
| | Copy any additional pictures you wish to print to an- | | | | |
| | other memory card and create a second print order. | | | | |
| CAN NOT ROTATE | The selected picture can not be rotated. | | | | |

| Warning | Description | | | |
|---|---|--|--|--|
| 😫 CAN NOT Rotate | Movies can not be rotated. | | | |
| CAN NOT SET DPOF | The picture can not be printed using DPOF. | | | |
| 😫 CAN NOT SET DPOF | Movies can not be printed using DPOF. | | | |
| 😫 CANNOT Execute | Red-eye removal can not be applied to movies. | | | |
| 臼 CANNOT EXECUTE | Red-eye removal can not be applied to pictures cre- ated with other devices. | | | |
| MISMATCH: 4K MODE AND EXTERNAL MONITOR CHANGE MOVIE MODE | The movie mode selected with the camera is not compatible with the device to which the camera is connected via HDMI. Try selecting a different movie mode. | | | |
| ! ∦ (yellow) | Turn the camera off and wait for it to cool. Mottling may increase in pictures taken when this warning is displayed. | | | |
| ! ∦ (red) | Turn the camera off and wait for it to cool. While this warning is displayed, movies can not be re- corded, mottling may increase, and performance, including frame advance rate and display quality, may drop. | | | |

Memory Card Capacity

The following table shows the recording time or number of pictures available at different image sizes. All figures are approximate; file size varies with the scene recorded, producing wide variations in the number of files that can be stored. The number of exposures or length remaining may not diminish at an even rate.

| | Capacity | 8 GB | | 16 GB | | |
|--------|--|-----------|------------|-------|------------|--|
| | | FINE | NORMAL | FINE | NORMAL | |
| P | 3:2 | 540 | 800 | 1110 | 1660 | |
| Photos | 휹 RAW (UNCOMPRESSED) | | 150 | | 320 | |
| Š | RAW (LOSSLESS COMPRESSED) | | 310 | | 640 | |
| M | 2160/29.97P, 25P, 24P, 23.98P ² | 9 minutes | | 20 n | 20 minutes | |
| Movies | 😤 🔠 1080/59.94P, 50P, 29.97P, 25P, 24P, 23.98P ³ | | 26 minutes | | 52 minutes | |
| s_ | TD 720/59.94P, 50P, 29.97P, 25P, 24P, 23.98P ⁴ | 51 n | ninutes | 103 i | minutes | |

1 Use a UHS speed class 3 card or better.

- 2 Individual movies can not exceed 10 minutes in length, or 30 minutes if filmed using a power booster grip.
- 3 Individual movies can not exceed 15 minutes in length, or 30 minutes if filmed using a power booster grip.
- 4 Individual movies can not exceed 30 minutes in length.
- Although movie recording will continue without interruption when the file size reaches 4 GB, subsequent footage will be recorded to a separate file which must be viewed separately.

Specifications

| System | | | | | | |
|------------------|--|--|--|--|--|--|
| Model | FUJIFILM X-T20 | | | | | |
| Product Number | FF160006 | | | | | |
| Effective pixels | Approx. 24.3 million | | | | | |
| Image sensor | 23.5 mm × 15.6 mm (APS-C), X-Trans CMOS III | | | | | |
| | sensor with primary color filter | | | | | |
| Storage media | FUJIFILM-recommended SD/SDHC/SDXC | | | | | |
| | memory cards | | | | | |
| Memory card slot | SD memory card slot | | | | | |
| File system | Compliant with Design Rule for Camera File | | | | | |
| | System (DCF), Exif 2.3, and Digital Print Order | | | | | |
| | Format (DPOF) | | | | | |
| File format | • Still pictures: Exif 2.3 JPEG (compressed); RAW | | | | | |
| | (original RAF format, uncompressed or com- | | | | | |
| | pressed using a lossless algorithm; special pur- | | | | | |
| | pose software required); RAW+JPEG available | | | | | |
| | • Movies: H.264 standard with stereo sound (MOV) | | | | | |
| Image size | 1:1 (4000×4000) 1:1 (4000×4000) | | | | | |
| | M 3:2 (4240×2832) M 16:9 (4240×2384) M 1:1 (2832×2832) | | | | | |
| | S 3:2 (3008×2000) S 16:9 (3008×1688) S 1:1 (2000×2000) | | | | | |
| | RAW (6000 × 4000) | | | | | |
| | Description panorama: vertical (2160 \times 9600)/horizontal (9600 \times 1440) | | | | | |
| | M panorama: vertical (2160×6400) /horizontal (6400×1440) | | | | | |
| Lens mount | FUJIFILM X mount | | | | | |
| | | | | | | |

| System | | | | | | |
|---|--|-----------------------------|------------|---------------|--|--|
| Sensitivity | Still pictures: Standard output sensitivity equiv- | | | | | |
| | alent to ISC | 0 200-12800 i | n increm | ents of ⅓ EV; | | |
| | AUTO; exte | ended output : | sensitivit | y equivalent | | |
| | to ISO 100, 25600, or 51200 | | | | | |
| | • Movies: Standard output sensitivity equivalent | | | | | |
| | to ISO 200–12800 in increments of ¹ / ₃ EV | | | | | |
| Metering | 256-segment through-the-lens (TTL) metering; | | | | | |
| | MULTI, SPOT, AVERAGE, CENTER WEIGHTED | | | | | |
| Exposure control | Programmed AE (with program shift); shutter-pri- | | | | | |
| • | ority AE; aperture-priority AE; manual exposure | | | | | |
| Exposure compensation • Still pictures : -5 EV-+5 EV in increments of | | | | | | |
| ¹ / ₃ EV | | | | | | |
| Movies: -2 EV-+2 EV in increments of ¹/₃ EV | | | | | | |
| Shutter speed | Mode P | Other modes | Time | Bulb | | |
| Mechanical shutter | | | 000 5 | Max. 60 min. | | |
| | 4 s to | 30 s to 1/32000 s | | Fixed at 1 s | | |
| Electronic shutter | 1/32000 S | | | | | |
| Mechanical+ | 4 s to | | | | | |
| electronic | ¹ /32000 S | 30 s to 1/32000 s Max. 60 r | | | | |
| electionic | 732000 S | | | | | |

| System | | | |
|---------|---------|------------|------------------------|
| Continu | ous | Frame rate | Frames per burst |
| | 14 fps* | 14 | Up to approximately 42 |
| CH | 11 fps* | 11 | Up to approximately 50 |
| | 8.0 fps | 8.0 | Up to approximately 53 |
| | 5.0 fps | 5.0 | Up to approximately 56 |
| CL | 4.0 fps | 4.0 | Up to approximately 58 |
| | 3.0 fps | 3.0 | Up to approximately 62 |

* Available with electronic shutter only.

The frame rate varies with shooting conditions and the number of images recorded. In addition, the frame rate and number of frames per burst may vary depending on the type of memory card used.

| Focus | Mode: Single or continuous AF; manual focus with focus ring | | | | | |
|---------------|--|--|--|--|--|--|
| | Focus-area selection: SINGLE POINT, ZONE, WIDE/TRACKING | | | | | |
| | Autofocus system: Intelligent hybrid AF (TTL contrast-detect/phase-detection AF) with AF-assist illuminator | | | | | |
| White balance | Custom 1, Custom 2, Custom 3, color tempera- ture selection, auto, direct sunlight, shade, day- light fluorescent, warm white fluorescent, cool white fluorescent, incandescent, underwater | | | | | |
| Self-timer | Off, 2 sec., 10 sec. | | | | | |

| System | | | | | | |
|---------------------|--|--|--|--|--|--|
| Flash mode | MODE: TTL MODE (FLASH AUTO, STANDARD, | | | | | |
| | SLOW SYNC.), MANUAL, COMMANDER, | | | | | |
| | SUPPRESSED FLASH | | | | | |
| | • SYNC. MODE: 1ST CURTAIN, 2ND CURTAIN | | | | | |
| | • RED EYE REMOVAL: @\$% FLASH+REMOVAL, | | | | | |
| | @\$ FLASH, @∿ REMOVAL, OFF | | | | | |
| Hot shoe | Accessory shoe with TTL contacts | | | | | |
| Sync contact | X contact; supports sync speeds as fast as 1/180 s | | | | | |
| Sync terminal | Provided | | | | | |
| Viewfinder | 0.39-in., 2,360k-dot color OLED viewfinder | | | | | |
| | with diopter adjustment (-4 to $+2$ m ⁻¹); mag- | | | | | |
| | nification 0.62× with 50 mm lens (35 mm for- | | | | | |
| | mat equivalent) at infinity and diopter set to | | | | | |
| | -1.0 m ⁻¹ ; diagonal angle of view approximate | | | | | |
| | ly 30.0° (horizontal angle of view approximately | | | | | |
| | 25.0°); eye point approx. 17.5 mm | | | | | |
| LCD monitor | 3.0-in/7.6 cm, 1040k-dot color touchscreen | | | | | |
| | LCD monitor, tilting | | | | | |
| Movies (with stereo | 2160/29.97P 1080/59.94P 10 720/59.94P | | | | | |
| sound) | 2160/25P 📅 1080/50P 🔟 720/50P | | | | | |
| | 2160/24P 📅 1080/29.97P 🔟 720/29.97P | | | | | |
| | 2160/23.98P TT 1080/25P TD 720/25P | | | | | |
| | 1080/24P 1020/24P | | | | | |
| | 1080/23.98P | | | | | |
| | | | | | | |

| Input/output terminals | | | | |
|---|-------------------------------|--|--|--|
| Digital input/output USB 2.0 High-Speed | | | | |
| | Micro USB connector (Micro-B) | | | |
| HDMI output | HDMI Micro connector (Type D) | | | |
| Microphone/remote | ø2.5 mm 3-pole mini jack | | | |
| release connector | | | | |

| Power supply/other | |
|-------------------------|--|
| Power supply | NP-W126S rechargeable battery (supplied with |
| | camera) |
| Camera size | 118.4 mm × 82.8 mm × 41.4 mm (31.9 mm |
| $(W \times H \times D)$ | excluding projections, measured at thinnest part)/ |
| | 4.7 in. × 3.3 in. × 1.6 in. (1.3 in.) |
| Camera weight | Approx. 333 g/11.7 oz., excluding battery, |
| | accessories, and memory card |
| Shooting weight | Approx. 383 g/13.5 oz., including battery and |
| | memory card |
| Operating conditions | • Temperature: -10 °C to +40 °C/ |
| | +14 °F to +104 °F |
| | • Humidity: 10% to 80% (no condensation) |

| Power supply/other | | | | | • | | |
|--------------------|---|------------------|-------------|----------|---------------|--|--|
| Battery life | Battery type: NP-W126S | | | | | | |
| | Photographs: The number of frames varie | | | | | | |
| | with the option selected for PERFORMANCE : PERFORMANCE LCD EVF | | | | | | |
| | | | | | | | |
| | HIGH F | PERFORMANCE | Appro | ox. 260 | Approx. 260 | | |
| | | TANDARD | Approx. 350 | | Approx. 350 | | |
| | Movies: The length of footage that can be re- | | | | | | |
| | corde | d varies with tl | ne mo | ovie mo | ode: | | |
| | | | | Cor | itinuance | | |
| | | Actual Batter | y life | Bati | tery life of | | |
| | Mode | of movie cap | ture | mov | ie capture | | |
| | 4K | Approx. 50 min | utes | Appro | x. 70 minutes | | |
| | HD | Approx. 60 min | | | x. 95 minutes | | |
| | CIPA standard, measured in mode P , using fu | | | | | | |
| | charged | battery (NP- | W126 | 5S), XF3 | 35mmF1.4 R | | |
| | lens, an | d SD memory | card. | | | | |

Note: Battery life varies with battery charge level and will decline at low temperatures.

| Wireless transmitter | f | | |
|-------------------------|---|--|--|
| Standards | IEEE 802.11b/g/n (standard wireless protocol) | | |
| Operating frequency | • U. S. A., Canada, Taiwan: 2,412 MHz–2,462 MHz | | |
| | (11 channels) | | |
| | • Other countries: 2,412 MHz–2,472 MHz (13 | | |
| | channels) | | |
| Access protocols | Infrastructure | | |
| NP-W126S rechargea | able battery | | |
| Nominal voltage | 7.2 V | | |
| Nominal capacity | 1260 mAh | | |
| Operating | 0 °C to +40 °C/ | | |
| temperature | +32 °F to +104 °F | | |
| Dimensions | 36.4 mm × 47.1 mm × 15.7 mm/ | | |
| $(W \times H \times D)$ | $1.4 \text{ in.} \times 1.9 \text{ in.} \times 0.6 \text{ in.}$ | | |
| Weight | Approx. 47 g/1.7 oz. | | |

| BC-W126 battery charger | | | |
|-------------------------|--|--|--|
| Rated input | 100V–240V AC, 50/60 Hz | | |
| Input capacity | 13-21 VA | | |
| Rated output | 8.4V DC, 0.6 A | | |
| Supported batteries | NP-W126S rechargeable batteries | | |
| Charging time | Approx. 150 minutes (+20 °C/+68 °F) | | |
| Operating | 5 °C to +40 °C/ | | |
| temperature | +41 °F to +104 °F | | |
| Dimensions | 65 mm × 91.5 mm × 28 mm/ | | |
| $(W \times H \times D)$ | 2.6 in. \times 3.6 in. \times 1.1 in., excluding projections | | |
| Weight | Approx. 77 g/2.7 oz. | | |

Weight and dimensions vary with the country or region of sale. Labels, menus, and other displays may differ from those on the actual camera.

Specifications and performance are subject to change without notice. FUJIFILM will not be held liable for any errors this manual may contain. The appearance of the product may differ from that described in this manual.









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