

**FUJIFILM**

DIGITAL CAMERA

**X-T30**

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

The latest versions of the manuals are available from:

*<http://fujifilm-dsc.com/en/manual/>*



The site can be accessed not only from your computer but also from smartphones and tablets. It also contains information on the software license.



For information on firmware updates, visit:

*[http://www.fujifilm.com/support/digital\\_cameras/software/](http://www.fujifilm.com/support/digital_cameras/software/)*



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## Menu List

Camera menu options are listed below.

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Adjust playback settings.

 See page 167 for details.








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## Setup Menu

Adjust basic camera settings.

 See page 185 for details.

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## Supplied Accessories

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The following are included with the camera:

- NP-W126S rechargeable battery
- AC-5VG AC power adapter
- Plug adapter (Shape of adapter varies with region of sale)
- USB cable
- Body cap
- Metal strap clips (× 2)
- Clip attaching tool
- Protective covers (× 2)
- Shoulder strap
- *Owner's Manual* (this manual)






- The plug adapter supplied varies with the country or region.
- If you purchased a lens kit, check that a lens is included.
- For information on compatible computer software, see “Software from Fujifilm” (p. 265).

## About This Manual

This manual contains instructions for your FUJIFILM X-T30 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.

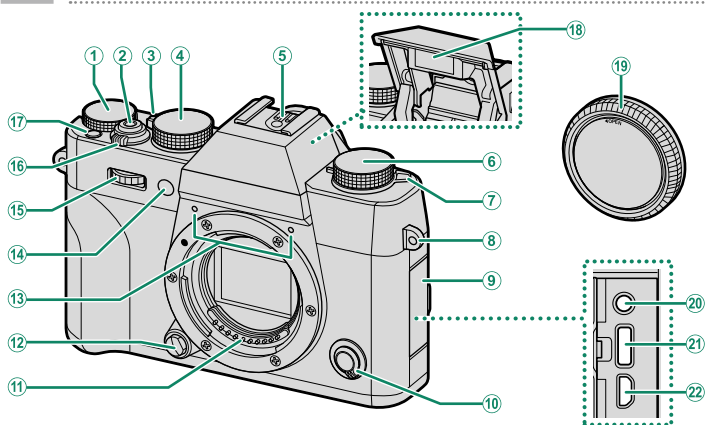
### Terminology


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”.

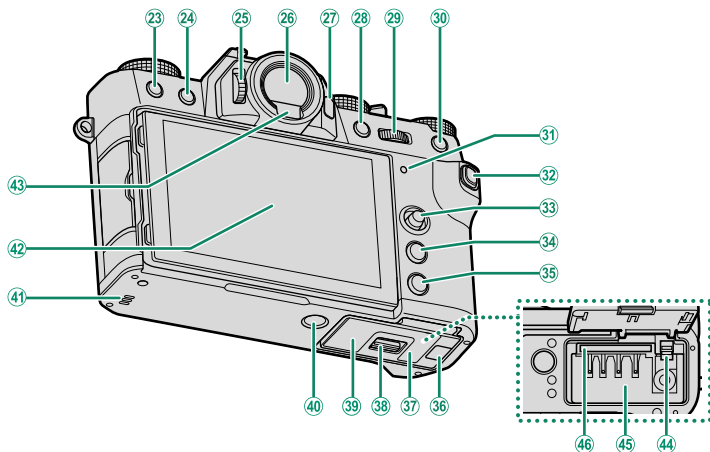
# Before You Begin



## Parts of the Camera



- |   |                   |   |          |
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| ① Exposure compensation dial.....   | 5, 77             | ⑬ Microphone.....   | 49, 156  |
| ② Shutter button.....   | 44                | ⑭ AF-assist illuminator.....  | 116, 160 |
| ③ Auto mode selector lever.....   | 6                 | Self-timer lamp.....  | 131      |
| ④ Shutter speed dial.....   | 5, 54, 56, 59, 60 | ⑮ Front command dial.....   | 7, 207   |
| ⑤ Hot shoe.....   | 92, 237           | ⑯ ON/OFF switch.....  | 36       |
| ⑥ Drive dial.....   | 5                 | ⑰ Fn1 button.....   | 228      |
| ⑦  (flash pop-up) lever..... | 92                | ⑱ Flash.....  | 92       |
| ⑧ Strap eyelet.....   | 26                | ⑲ Body cap.....   | 28       |
| ⑨ Connector cover.....  |                   | ⑳ Microphone/remote release connector<br>( $\varnothing 2.5$ mm)..... | 49, 58   |
| ⑩ Focus mode selector.....  | 65                | ㉑ USB connector (Type-C).....   | 35, 255  |
| ⑪ Lens signal contacts.....   |                   | ㉒ HDMI Micro connector (Type D).....                                  | 250      |
| ⑫ Lens release button.....  | 28                |   |          |



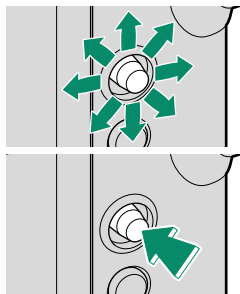
- |    |   |             |    |  |               |
|----|---|-------------|----|--|---------------|
| 23 | (delete) button .....                           | 46          | 36 | Cable channel cover for DC coupler ..... | 262           |
| 24 | (playback) button.....                          | 45          | 37 | Battery-chamber cover .....              | 29            |
| 25 | Diopter adjustment control .....                | 9           | 38 | Battery-chamber cover latch.....         | 29            |
| 26 | Electronic viewfinder (EVF).....                | 10, 14      | 39 | Serial number plate.....                 | 4             |
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| 28 | <b>AE-L</b> (exposure lock) button .....        | 79, 228     | 41 | Speaker.....                             | 51, 191       |
| 29 | Rear command dial.....                          | 7, 165, 207 | 42 | LCD monitor.....                         | 9, 12, 14, 15 |
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| 31 | Indicator lamp .....                            | 8, 160      | 43 | Eye sensor .....                         | 14            |
| 32 | <b>Q</b> (quick menu) button .....              | 225         | 44 | Battery latch .....                      | 31            |
| 33 | Focus stick (focus lever).....                  | 4, 69, 202  | 45 | Battery chamber .....                    | 29            |
| 34 | <b>MENU/OK</b> button .....                     | 20          | 46 | Memory card slot.....                    | 30            |
| 35 | <b>DISP</b> (display)/ <b>BACK</b> button ..... | 16, 163     |    |  |               |

## 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 Focus Stick (Focus Lever)

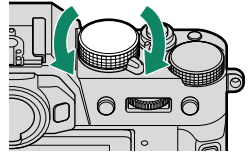
Tilt or press the focus stick to select the focus area. The focus stick can also be used to navigate the menus.





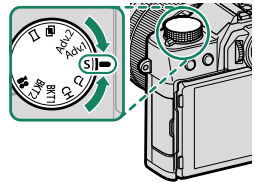
## The Shutter Speed Dial

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



## The Drive Dial

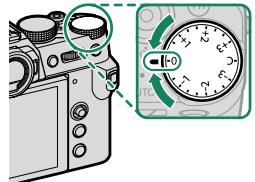
Rotate the dial to choose from the following the drive modes.



Mode		Mode	
Movie	48	<b>S</b> Single frame	42
<b>BKT1</b> <b>BKT2</b> Bracketing	80	<b>Adv.1</b> <b>Adv.2</b> Advanced filter	87
<b>CH</b> High-speed burst	83	Multiple exposure	85
<b>CL</b> Low-speed burst		Panorama	89

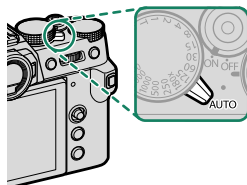
## The Exposure Compensation Dial



Rotate the dial to choose an exposure compensation amount.




## The Auto Mode Selector Lever

Switch between auto and manual modes.


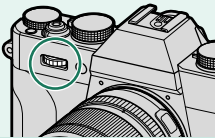
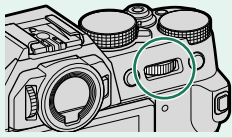



Position	Mode
	Select from <b>P</b> (program AE), <b>S</b> (shutter-priority AE), <b>A</b> (aperture-priority AE), and <b>M</b> (manual) modes ( 54, 56, 59, 60). Adjust shutter speed and aperture using program shift (mode <b>P</b> ) or set shutter speed and/or aperture manually (modes <b>S</b> , <b>A</b> , and <b>M</b> ).
	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 ( 61), or select <b>SR+ ADVANCED SR AUTO</b> to let the camera automatically match the mode to the subject ( 61). Scene selection is not available in drive modes <b>Adv.1</b> , <b>Adv.2</b> ,  , 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	Rear command dial
 <p><b>Rotate</b></p>	 <ul style="list-style-type: none"> <li>• Select menu tabs or page through menus</li> <li>• Adjust aperture<sup>1,2</sup></li> <li>• Choose a scene (auto mode)</li> <li>• Adjust exposure compensation<sup>4</sup></li> <li>• Adjust sensitivity<sup>2</sup></li> <li>• View other pictures during playback</li> </ul>	 <ul style="list-style-type: none"> <li>• Highlight menu items</li> <li>• Choose the desired combination of shutter speed and aperture (program shift)</li> <li>• Choose a shutter speed<sup>2</sup></li> <li>• Adjust settings in the quick menu</li> <li>• Choose the size of the focus frame</li> <li>• Zoom in or out in full frame playback</li> <li>• Zoom in or out in multi-frame playback</li> </ul>
 <p><b>Press</b></p>	<ul style="list-style-type: none"> <li>• Switch back and forth between aperture and exposure compensation<sup>2,5</sup></li> <li>• Press and hold to choose the option selected for <b>FUNCTION/DIAL SETTING &gt; COMMAND DIAL SETTING</b> in the <b>FUNCTION</b> (setup) menu</li> </ul>	<ul style="list-style-type: none"> <li>• Perform the function assigned to the <b>DIAL</b> function button</li> <li>• Zoom in on the active focus point<sup>3</sup></li> <li>• Press and hold to choose the manual focus mode focus display<sup>3</sup></li> <li>• Zoom in on the active focus point during playback</li> </ul>

1 Aperture set to **A** (auto) and lens equipped with aperture ring or **COMMAND** selected for **FUNCTION/DIAL SETTING > APERTURE RING SETTING (A)**.

2 Can be changed using **FUNCTION/DIAL SETTING > COMMAND DIAL SETTING**.

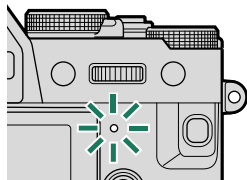
3 Available only if **FOCUS CHECK** is assigned to a function button.

4 Exposure compensation dial rotated to **C**.

5 Can be used to switch back and forth between aperture, sensitivity, and exposure compensation when exposure compensation dial is rotated to **C**.

## The Indicator Lamp

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 be taken.
Blinks green and orange	<ul style="list-style-type: none"><li>• <b>Camera on:</b> Recording pictures. Additional pictures can be taken.</li><li>• <b>Camera off:</b> Uploading pictures to a smartphone or tablet.*</li></ul>
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.

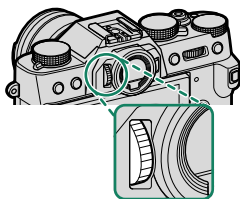
\* Displayed only if pictures are selected for upload.



- Warnings may also appear in the display.
- The indicator lamp remains off while your eye is to the viewfinder.
- The **MOVIE SETTING > TALLY LIGHT** option can be used to choose the lamp (indicator or AF-assist) that lights during movie recording and whether the lamp blinks or remains steady.

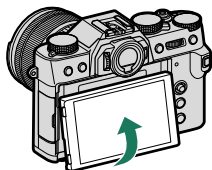
## Focusing the Viewfinder


Viewfinder focus can be adjusted by rotating the diopter adjustment control.



## 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.



 The LCD monitor also functions as a touch screen that can be used for:

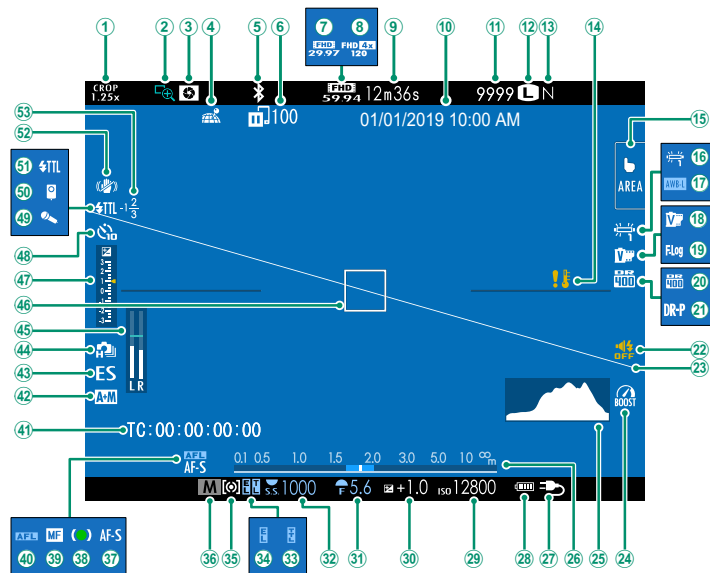
- Touch photography (📖 22)
- Focus area selection (📖 21)
- Function selection (📖 23)
- Muting camera controls during movie recording (📖 23)
- Full-frame playback (📖 24)

## Camera Displays

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

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

### The Electronic Viewfinder

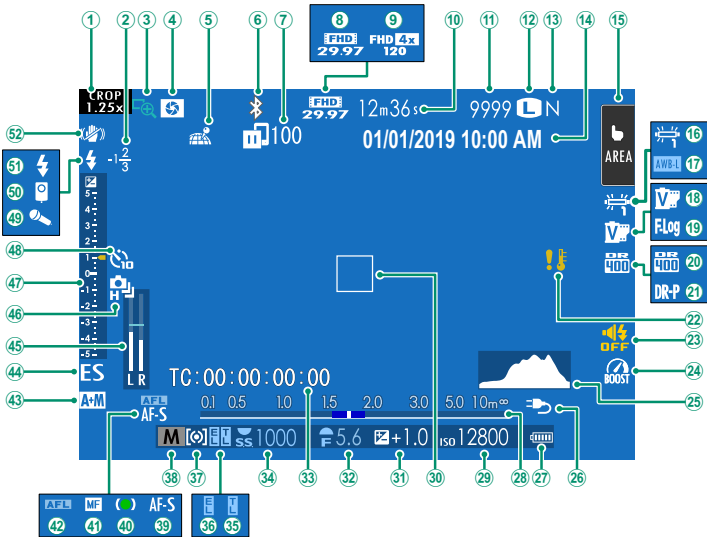


① Sports finder mode.....	130	②8 Battery level .....	37
② Focus check.....	76, 120	②9 Sensitivity.....	136
③ Depth-of-field preview .....	59, 75	③0 Exposure compensation .....	77
④ Location data download status ....	219, 252	③1 Aperture.....	55, 59, 60
⑤ Bluetooth ON/OFF.....	216	③2 Shutter speed.....	55, 56, 60
⑥ Image transfer status.....	216, 252	③3 TTL lock .....	142, 205, 231
⑦ Movie mode.....	48, 144	③4 AE lock.....	79, 209
⑧ Full HD high-speed recording.....	145	③5 Metering.....	133
⑨ Time remaining .....	48	③6 Shooting mode.....	54
⑩ Date and time .....	38, 40, 187	③7 Focus mode <sup>2</sup> .....	65
⑪ Number of available frames <sup>1</sup> .....	291	③8 Focus indicator <sup>2</sup> .....	66
⑫ Image size.....	98	③9 Manual focus indicator <sup>2</sup> .....	65, 73
⑬ Image quality.....	99	④0 AF lock.....	79, 209
⑭ Temperature warning.....	290	④1 Time code .....	158
⑮ Touch screen mode.....	21, 123	④2 AF+MF indicator <sup>2</sup> .....	119
⑯ White balance.....	102	④3 Shutter type.....	134
⑰ AWB lock.....	210	④4 Continuous mode .....	83
⑱ Film simulation.....	100	④5 Recording level <sup>2</sup> .....	156
⑲ F-Log recording.....	149	④6 Focus frame .....	69, 78
⑳ Dynamic range.....	104	④7 Exposure indicator.....	60, 77
㉑ D-range priority.....	105	④8 Self-timer indicator.....	131
㉒ Sound and flash indicator.....	189	④9 Microphone .....	158
㉓ Virtual horizon .....	18	⑤0 Remote release.....	158
㉔ Boost mode.....	212	⑤1 Flash (TTL) mode .....	94, 237
㉕ Histogram.....	19	⑤2 IS mode <sup>2</sup> .....	135
㉖ Distance indicator <sup>2</sup> .....	75	⑤3 Flash compensation.....	94, 237
㉗ External power source in use.....	34		

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

2 Not displayed when **ON** is selected for **SCREEN SET-UP > LARGE INDICATORS MODE(EVF)**.

# The LCD Monitor





① Sports finder mode.....	130	②7 Battery level .....	37
② Flash compensation.....	94, 237	②8 Distance indicator <sup>2</sup> .....	75
③ Focus check.....	76, 120	②9 Sensitivity.....	136
④ Depth-of-field preview .....	59, 75	③0 Focus frame .....	69, 78
⑤ Location data download status .....	219, 252	③1 Exposure compensation .....	77
⑥ Bluetooth ON/OFF.....	216	③2 Aperture.....	55, 59, 60
⑦ Image transfer status.....	216, 252	③3 Time code .....	158
⑧ Movie mode.....	48, 144	③4 Shutter speed.....	55, 56, 60
⑨ Full HD high-speed recording.....	145	③5 TTL lock .....	142, 205, 231
⑩ Time remaining .....	48	③6 AE lock.....	79, 209
⑪ Number of available frames <sup>1</sup> .....	291	③7 Metering.....	133
⑫ Image size.....	98	③8 Shooting mode.....	54
⑬ Image quality.....	99	③9 Focus mode <sup>2</sup> .....	65
⑭ Date and time.....	38, 40, 187	④0 Focus indicator <sup>2</sup> .....	66
⑮ Touch screen mode <sup>3</sup> .....	21, 123	④1 Manual focus indicator <sup>2</sup> .....	65, 73
⑯ White balance.....	102	④2 AF lock.....	79, 209
⑰ AWB lock.....	210	④3 AF+MF indicator <sup>2</sup> .....	119
⑱ Film simulation.....	100	④4 Shutter type.....	134
⑲ F-Log recording.....	149	④5 Recording level <sup>3</sup> .....	156
⑳ Dynamic range.....	104	④6 Continuous mode .....	83
㉑ D-range priority.....	105	④7 Exposure indicator.....	60, 77
㉒ Temperature warning.....	290	④8 Self-timer indicator.....	131
㉓ Sound and flash indicator.....	189	④9 Microphone .....	158
㉔ Boost mode.....	212	⑤0 Remote release.....	158
㉕ Histogram.....	19	⑤1 Flash (TTL) mode .....	94, 237
㉖ External power source in use.....	34	⑤2 IS mode <sup>2</sup> .....	135

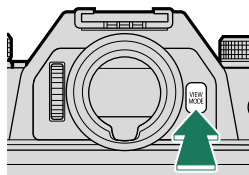
1 Shows "9999" if there is space for over 9999 frames.




2 Not displayed when **ON** is selected for **SCREEN SET-UP > LARGE INDICATORS MODE(LCD)**.

3 Camera functions can also be accessed via touch controls.

## Choosing a Display Mode

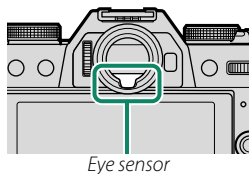
Press the **VIEW MODE** button to cycle through the following display modes.



Option	Description
 <b>EYE SENSOR</b>	Putting your eye to the viewfinder turns the viewfinder on and the LCD monitor off; taking your eye away turns the viewfinder off and LCD monitor on.
<b>EVF ONLY</b>	Viewfinder on, LCD monitor off.
<b>LCD ONLY</b>	LCD monitor on, viewfinder off.
<b>EVF ONLY +</b> 	Putting your eye to the viewfinder turns the viewfinder on; taking it away turns the viewfinder off. The LCD monitor remains off.
 <b>EYE SENSOR + LCD IMAGE DISP.</b>	Putting your eye to the viewfinder during shooting turns the viewfinder on, but the LCD monitor is used for the display of images once you remove your eye from the viewfinder after shooting.

### The Eye Sensor

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



## Adjusting Display Brightness

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

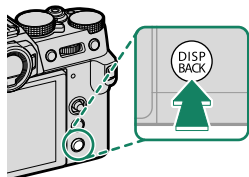
## Display Rotation

When **ON** is selected for **SCREEN SET-UP > AUTOROTATE DISPLAYS**, the indicators in the viewfinder and LCD monitor automatically rotate to match camera orientation.

## The DISP/BACK Button

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

Indicators for the EVF and LCD must be selected separately. To choose the EVF display, place your eye to the viewfinder while using the **DISP/BACK** button.



### Viewfinder

#### Standard

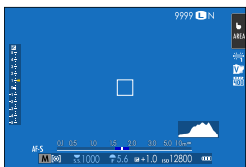


#### Information off

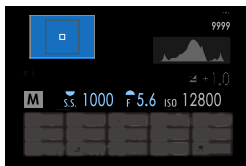
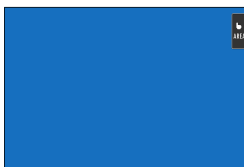


### LCD Monitor

#### Standard



#### Information off



#### Info display

## Customizing the Standard Display

To choose the items shown in the standard indicator display:

### 1 Display standard indicators.

Use the **DISP/BACK** button to display standard indicators.

### 2 Select **DISP. CUSTOM SETTING**.

Select **SCREEN SET-UP > 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
- LIVE VIEW HIGHLIGHT ALERT
- 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
- BOOST MODE
- FRAMES REMAINING
- IMAGE SIZE/QUALITY
- MOVIE MODE & REC. TIME
- IMAGE TRANSFER ORDER
- MIC LEVEL
- GUIDANCE MESSAGE
- BATTERY LEVEL
- FRAMING OUTLINE

### 4 Save changes.

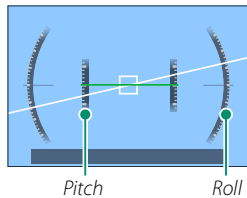
Press **DISP/BACK** to save changes.

### 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. For a 3D display (shown), press the function button to which **ELECTRONIC LEVEL** is assigned (📖 204, 230).



### Framing Outline

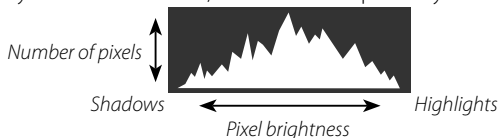
Enable **FRAMING OUTLINE** to make the borders of the frame easier to see against dark backgrounds.

### Guidance Message

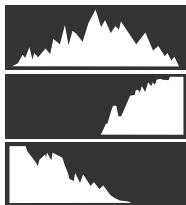
Enable **GUIDANCE MESSAGE** to display status updates (for example, when settings are changed) and the like in addition to error messages.

## Histograms

Histograms show the distribution of tones in the image. Brightness is shown by the horizontal axis, the number of pixels by the vertical axis.

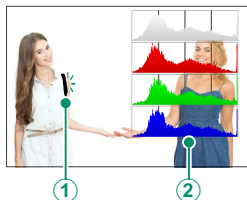


- **Optimal exposure:** Pixels are distributed in an even curve throughout the tone range.
- **Overexposed:** Pixels are clustered on the right side of the graph.
- **Underexposed:** Pixels are clustered on the left side of the graph.



To view separate RGB histograms and a display showing areas of the frame that will be overexposed at current settings superimposed on the view through the lens, press the function button to which **HISTOGRAM** is assigned (📖 204, 230).

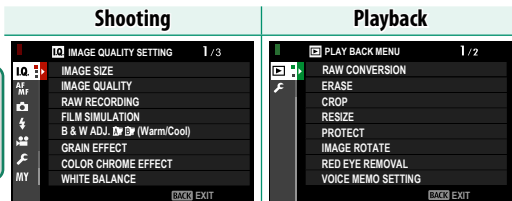
- ① Overexposed areas blink
- ② RGB histograms



📌 In movie mode, potentially overexposed areas (highlights) do not blink on and off but are instead indicated by zebra stripes (📖 155).

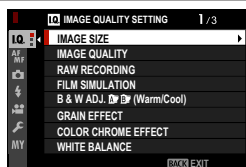
## Using the Menus

To display the menus, press **MENU/OK**.

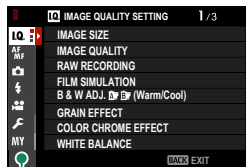


To navigate the menus:

- 1 Press **MENU/OK** to display the menus.




- 2 Press the focus stick (focus lever) left to highlight the tab for the current menu.



*Tab*

- 3 Press the focus stick up or down to highlight the tab (**IQ**, **AF/MT**, **Ⓜ**, **⚡**, **Ⓜ**, **MY**, **Ⓜ** or **Ⓜ**) containing the desired item.
- 4 Press the focus stick 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.

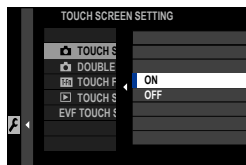


## Touch Screen Mode

The LCD monitor also functions as a touch screen.

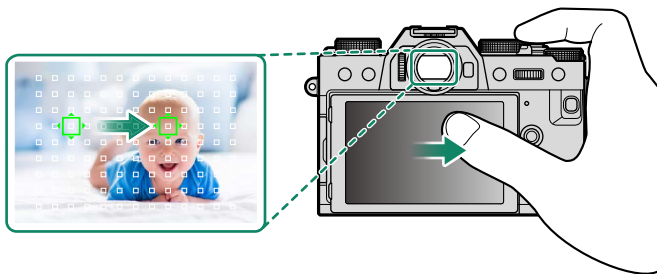
### Shooting Touch Controls

To enable touch controls, select **ON** for **☑️ BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > 📷 TOUCH SCREEN SETTING**.



### EVF

The LCD monitor can be used to select the focus area while pictures are being framed in the electronic viewfinder (EVF). Use **☑️ BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > EVF TOUCH SCREEN AREA SETTINGS** to choose the area of the monitor employed for touch controls.









📷 If **📷 FACE SELECT** **📷 EVF** is enabled when **FACE DETECTION ON** is selected for **📷 AF/MF SETTING > FACE/EYE DETECTION SETTING**, the face used for focus can be chosen via touch controls.



## LCD Monitor

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 touch screen mode indicator in the display to cycle through the following options.



Mode	Description
 <b>TOUCH SHOOTING</b>	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.
 <b>AF</b>  <b>AF OFF</b>	<ul style="list-style-type: none"><li>• In focus mode <b>S</b> (AF-S), the camera focuses when you tap your subject in the display. Focus locks at the current distance until you tap the <b>AF OFF</b> icon.</li><li>• In focus mode <b>C</b> (AF-C), the camera initiates focus when you tap your subject display. The camera will continue to adjust focus for changes in the distance to the subject until you tap the <b>AF OFF</b> icon.</li><li>• In manual focus mode (MF), you can tap the display to focus on the selected subject using autofocus.</li></ul>
 <b>AREA</b>	Tap to select a point for focus or zoom. The focus frame will move to the selected point.
 <b>OFF</b>	Touch focus and shooting disabled.

 Different touch controls are used during focus zoom (📖 125).

- To disable touch controls and hide the touch screen mode indicator, select **OFF** for  **BUTTON/DIAL SETTING > TOUCH SCREEN SETTING > TOUCH SCREEN SETTING**.
- Touch control settings can be adjusted using  **AF/MF SETTING > TOUCH SCREEN MODE**. For information on the touch controls available during movie recording, see “Movie Recording (**TOUCH SCREEN MODE**; 📖 124)”.

## Muting Movie Controls

Movie settings can be adjusted using touch-screen controls, preventing the sounds made by camera controls being recorded with the movie. When **ON** is selected for **MOVIE SETTING > MOVIE SILENT CONTROL** in the shooting menu, a **SET** icon will be displayed in the LCD monitor;



**SET** icon

tap the icon to access the following controls:

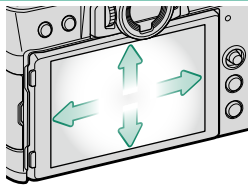
- SHUTTER SPEED\*
- APERTURE\*
- EXPOSURE COMPENSATION
- ISO
- INTERNAL MIC LEVEL ADJUSTMENT/EXTERNAL MIC LEVEL ADJUSTMENT
- WIND FILTER
- HEADPHONES VOLUME
- FILM SIMULATION
- WHITE BALANCE

\* Selecting **ON** for **MOVIE SETTING > MOVIE SILENT CONTROL** disables dial controls.

## Touch Function

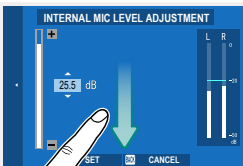
Functions can be assigned to the following flick gestures in much the same way as function buttons (228):

- Flick up: **T-Fn1**
- Flick left: **T-Fn2**
- Flick right: **T-Fn3**
- Flick down: **T-Fn4**



In some cases, touch-function flick gestures display a menu; tap to select the desired option.

- Touch-function gestures are disabled by default. To enable touch-function gestures, select **ON** for **FUNCTION/DIAL SETTING > TOUCH SCREEN SETTING > T-Fn TOUCH FUNCTION**.



## Playback Touch Controls

When **ON** is selected for **▶️ BUTTON/DIAL SETTING > TOUCH SCREEN 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.

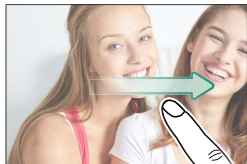


Pictures can be zoomed out until the entire image is visible but no further.

- **Double-tap:** Tap the display twice to zoom in on the focus point.



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



## First Steps

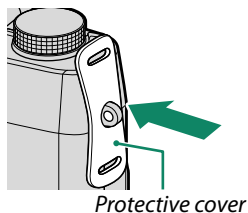
# 2

## Attaching the Strap

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

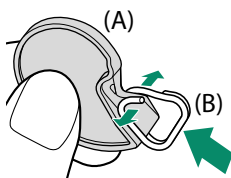
### 1 Attach a protective cover.

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



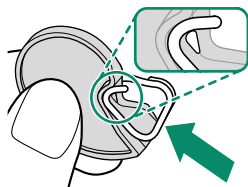
### 2 Open a strap clip.

Use the clip attaching tool (A) to open a strap clip (B).




### 3 Slide the clip onto the tool.

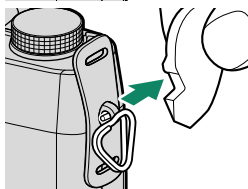
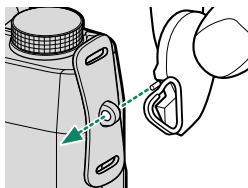
Slide the clip onto the tool so that it hooks over the projection.



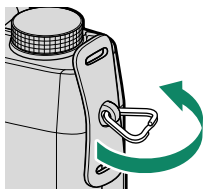
**4 Place the strap clip on an eyelet.**

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.

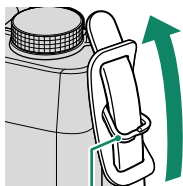
**5 Pass the clip through the eyelet.**

Rotate the clip fully through the eyelet until it clicks closed.

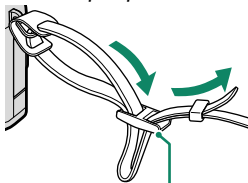
**6 Fasten the strap.**

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

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



Strap clip



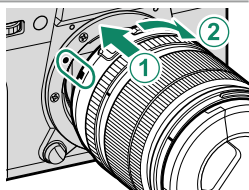
Buckle

Repeat the above steps 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 (①), and then rotate the lens until it clicks into place (②).

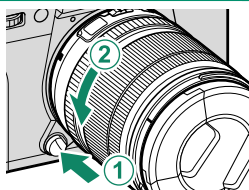


- ⓘ When attaching lenses, ensure that dust or other foreign matter does not enter the camera.
- Be careful not to touch the camera's internal parts.
- Rotate the lens until it clicks securely into place.
- Do not press the lens release button while attaching the lens.

### Removing Lenses

To remove the lens, turn the camera off, then press the lens release button (①) and rotate the lens as shown (②).

- ⓘ 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.

- ⓘ Observe the following precautions when attaching or removing (exchanging) lenses.
- 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. Light focused into the interior of the camera could cause it to malfunction.
- Attach the lens caps before exchanging lenses.



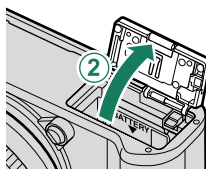
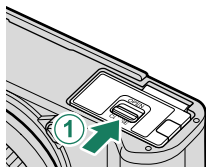
## Inserting the Battery and a Memory Card

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.

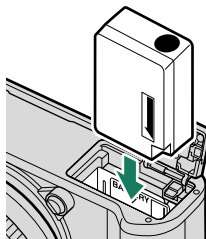
- Do not remove the battery when the camera is on. Failure to observe this precaution could damage image files or memory cards.
- Do not use excessive force when handling the battery-chamber cover.



### 2 Insert the battery.

Insert the battery as shown.

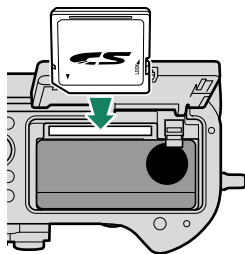
- Insert the battery in the orientation shown. *Do not use force or attempt to insert the battery upside down or backwards.* The battery will slide in easily in the correct orientation.
- Confirm that the battery is securely latched.



### 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.

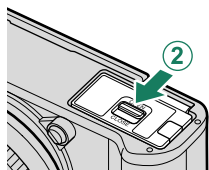
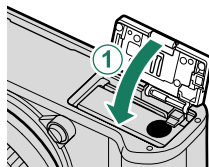
**!** Be sure card is in the correct orientation; do not insert at an angle or use force.



### 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.



### 5 Format the memory card (📖 186).

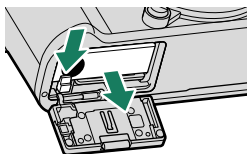
**!** Format memory cards before first use, and be sure to reformat all memory cards after using them in a computer or other device.

**!** Do not open the battery-chamber cover when the camera is on. Failure to observe this precaution could damage image files or memory cards.

## Removing the Battery and Memory Card

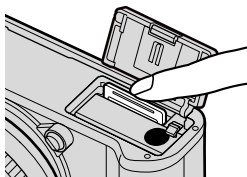
Before removing the battery or memory card, *turn the camera off* and open the battery-chamber cover.

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.

To remove the memory card, press it in and release it slowly. The card can then be removed by hand.




**!**

- Press the center of the card when ejecting it.
- When a memory card is removed, the card could be ejected too quickly. Use your finger to hold it and gently release the card.

## Compatible Memory Cards

- The camera can be used with SD, SDHC, and SDXC memory cards.
- The camera supports UHS-I memory cards.
- To record movies, use cards with a UHS speed class of 3 or better or a video speed class of V30 or better.
- A list of supported memory cards is available on the Fujifilm website. For details, visit:  
[http://www.fujifilm.com/support/digital\\_cameras/compatibility/](http://www.fujifilm.com/support/digital_cameras/compatibility/).

- !** • 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. Before inserting a memory card, slide the write-protect switch to the unlocked position. 
  - 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.

## Charging the Battery

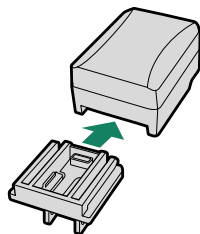
The battery is not charged at shipment. Turn the camera off and charge the battery before use. The camera charges the battery internally.

- ! An NP-W126S rechargeable battery is supplied with the camera.
- Charging takes about 180 minutes.

### 1 Attach the plug adapter to the AC power adapter.

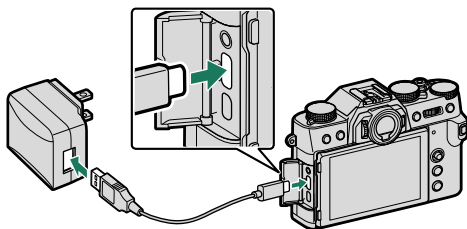
Attach the plug adapter as shown, making sure that it is fully inserted and clicks into place on the AC power adapter terminals.

- ! • The supplied plug adapter is for use exclusively with the AC-5VG AC power adapter. Do not use it with other devices.
- The shape of the plug adapter varies with the country of sale.



### 2 Charge the battery.

Connect the camera to the supplied AC power adapter using the supplied USB cable. Then plug the AC power adapter into an indoor power outlet.



- ! • Connect the cable to the camera's USB connector (Type-C).
- Be sure the connectors are fully inserted.


## Charge Status

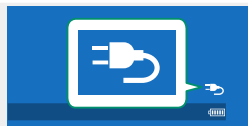
The indicator lamp shows battery charge status as follows:



Indicator lamp	Battery status
On	Battery charging.
Off	Charging complete.
Blinks	Battery fault.



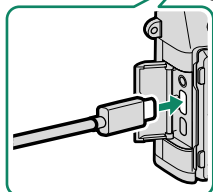
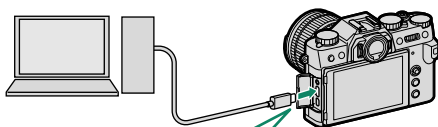
- If the camera is turned on while charging is in progress, a  icon will be displayed. Charging will end the battery level will begin to gradually decline.



- The supplied charger is compatible with power supplies of 100 to 240 volts (a plug adapter may be needed for overseas use).
- 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 or high 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.



USB connector (Type-C)

- Battery status is shown by the indicator lamp.

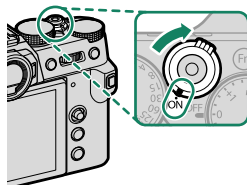
Indicator lamp	Battery status
On	Battery charging
Off	Charging complete
Blinks	Battery fault

- 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.

## 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 **▶** 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**.

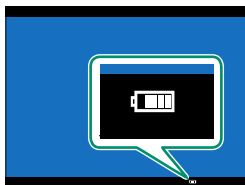


## Checking the Battery Level

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


Battery level is shown as follows:

Indicator	Description
	Battery partially discharged.
	Battery about 80% full.
	Battery about 60% full.
	Battery about 40% full.
	Battery about 20% full.
 (red)	Low battery. Charge as soon as possible.
 (blinks red)	Battery exhausted. Turn camera off and recharge battery.



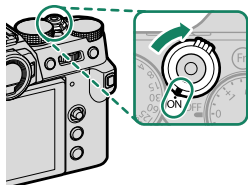
## Basic Setup

When you turn the camera on for the first time, you can choose a language and set the camera clock. At default settings, you can also pair the camera with a smartphone or tablet so that you can later synchronize the clocks or download pictures. Follow the steps below when turning the camera on for the first time.

 If you intend to pair the camera with a smartphone or tablet, install and launch the latest version of the FUJIFILM Camera Remote App on the smart device before proceeding. For more information, visit: [http://app.fujifilm-dsc.com/en/camera\\_remote/](http://app.fujifilm-dsc.com/en/camera_remote/)

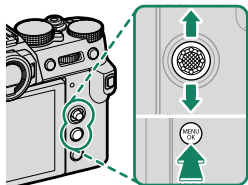
### 1 Turn the camera on.

A language-selection dialog will be displayed.




### 2 Choose a language.

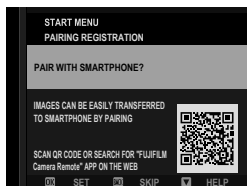
Highlight a language and press **MENU/OK**.



### 3 Pair the camera with the smartphone or tablet.

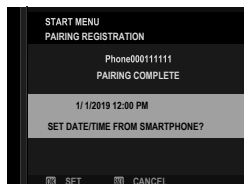
Press **MENU/OK** to pair the camera with a smartphone or tablet running the FUJIFILM Camera Remote app.

 To skip pairing, press **DISP/BACK**.



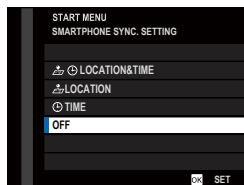
#### 4 Check the time.

When pairing is complete, you will be prompted to set the camera clock to the time reported by the smartphone or tablet. Check that the time is correct.



To set the clock manually, press **DISP/BACK** (📖 40).

#### 5 Synchronize the camera settings with the settings configured on your smartphone or tablet.



The option selected can be changed at any time using **CONNECTION SETTING > Bluetooth SETTINGS**.

#### 6 Set the clock.

Press **MENU/OK** to set the camera clock to the time reported by the smartphone or tablet and exit to shooting mode.

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

If you skip a step, a confirmation dialog will be displayed; select **NO** to avoid repeating any steps you skipped 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  **USER SETTING** > **DATE/TIME**.
- 2 Set the clock.**  
Press the focus stick (focus lever) 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.

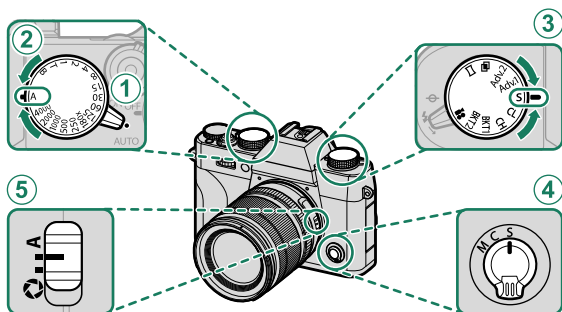
# Basic Photography and Playback

# 3

## Taking Photographs (Mode P)

This section describes how to take pictures using program AE (mode P). See pages 54–60 for information on S, A, and M modes.

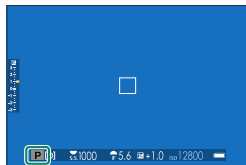
### 1 Adjust settings for program AE.



	Setting	
①	Auto mode selector lever	● 54
②	Shutter speed	A (auto) 54
③	Drive mode	S (single frame) 5
④	Focus mode	S (single AF) 65
⑤	Aperture	A (auto) 54

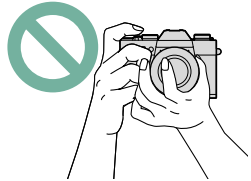
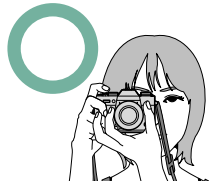
### 2 Check the shooting mode.

Confirm that P appears in the display.



### 3 Ready the camera.

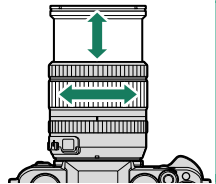
- Hold the camera steady with both hands and brace your elbows against your sides. Shaking or unsteady hands can blur your shots.
- To prevent pictures that are out of focus or too dark (underexposed), keep your fingers and other objects away from the lens and AF-assist illuminator.



### 4 Frame the picture.

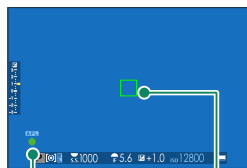
#### Lenses with Zoom Rings

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.



Focus indicator

Focus frame

- **If the camera is able to focus**, it will beep twice and focus frame and focus indicator will glow green.
- **If the camera is unable to focus**, the focus frame will turn red, **!AF** will be displayed, and the focus indicator will blink white.



- If the subject is poorly lit, the AF-assist illuminator may light to assist the focus operation.
- Focus and exposure will lock when the shutter button is pressed halfway. Focus and exposure remain locked while the button is kept in this position (AF/AE lock).
- The camera will focus on subjects at any distance in the macro and standard focus ranges.

## 6 Shoot.

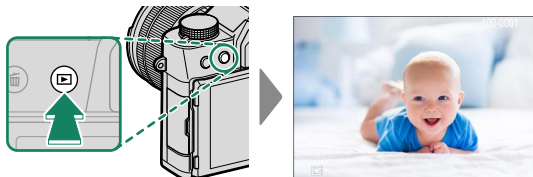
Smoothly press the shutter button the rest of the way down to take the picture.





## Viewing Pictures

Pictures can be viewed in the viewfinder or LCD monitor.


To view pictures full frame, press .





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

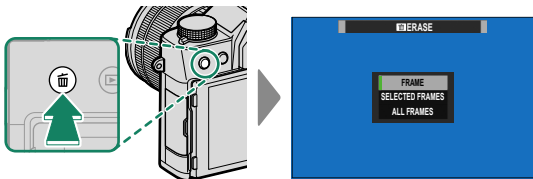
 Pictures taken using other cameras are marked with a  ("gift image") icon to warn that they may not display correctly and that playback zoom may not be available.

## Deleting Pictures



Use the  button to delete pictures.

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

- 1 With a picture displayed full frame, press the  button and select **FRAME**.



- 2 Press the focus stick (focus lever) 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 cannot be deleted. Remove protection from any pictures you wish to delete (📖 174).
- Pictures can also be deleted from the menus using the  **PLAY BACK MENU > ERASE** option (📖 170).

# Movie Recording and Playback

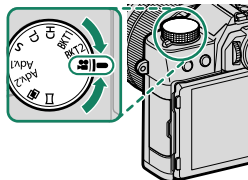
# 4



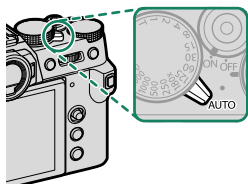
## Recording Movies

This section describes how to film movies in auto mode.

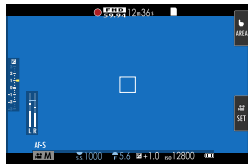
- 1 Rotate the drive dial to .



- 2 Rotate the auto mode selector lever to **AUTO** to shoot movies in **SR+ ADVANCED SR AUTO** mode. The camera automatically optimizes settings to suit the scene.



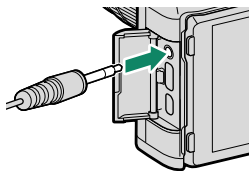
- 3 Press the shutter button to start recording. A recording indicator (●) and the time remaining are displayed while recording is in progress.



- 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

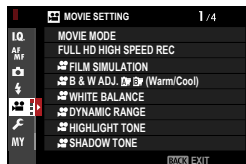
Sound can be recorded with external microphones that connect using jacks 2.5 mm in diameter; microphones that require plug-in power cannot be used. See the microphone manual for details.



- 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.

## Adjusting Movie Settings

Movie settings can be adjusted using the **MOVIE SETTING** option in the shooting menu (📖 144).




### Depth of Field

Choose low f-numbers to soften background details.

- 📌 • The indicator lamp lights while recording is in progress (the **MOVIE SETTING > TALLY LIGHT** option can be used to choose the lamp—indicator or AF-assist—that lights during movie recording and whether the lamp blinks or remains steady). During recording, you can change exposure compensation by up to  $\pm 2$  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.
- While recording is in progress, you can:
  - Adjust sensitivity
  - Use the **VIEW MODE** button and the eye sensor to switch between the EVF and LCD monitor displays
  - Refocus using any of the following methods:
    - Press the shutter button halfway
    - Press a function button to which **AF-ON** is assigned
    - Use touch screen controls
  - Display a histogram or artificial horizon by pressing the button to which **HISTOGRAM** or **ELECTRONIC LEVEL** has been assigned
- Recording may be unavailable at some settings, while in other cases settings may not apply during recording.
- To choose the focus area for movie recording, select **MOVIE SETTING > FOCUS AREA** and use the focus stick (focus lever) and rear command dial (📖 69).

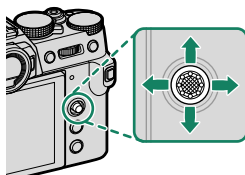
## Viewing Movies

View movies on the camera.

In full-frame playback, movies are identified by a  icon. Press the focus stick (focus lever) down to start movie playback.

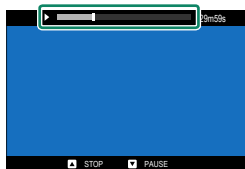



The following operations can be performed while a movie is displayed:




Focus stick (focus lever)	Full-frame playback	Playback in progress (▶)	Playback paused (⏸)
Up	—	End playback	
Down	Start playback	Pause playback	Start/resume playback
Left/right	View other pictures	Adjust speed	Single frame rewind/advance

Progress is shown in the display during playback.



 Do not cover the speaker during playback.

 Press **MENU/OK** to pause playback and display volume controls. Press the focus stick (focus lever) up or down to adjust the volume; press **MENU/OK** again to resume playback. Volume can also be adjusted using **SOUND SET-UP > PLAYBACK VOLUME**.

**Playback Speed**

Press the focus stick (focus lever) left or right to adjust playback speed during playback. Speed is shown by the number of arrows (▶ or ◀).



Arrows



# Taking Photographs

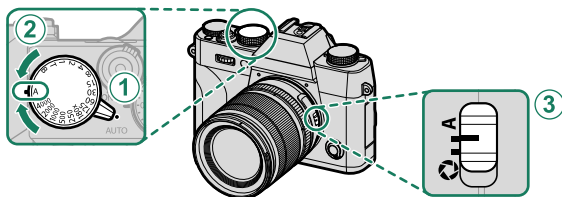
5

## Choosing a Shooting Mode

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

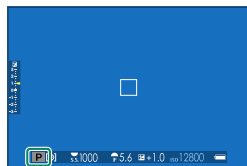
### Mode P: Program AE

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



#### Setting

① Auto mode selector lever	●
② Shutter speed	A (auto)
③ Aperture	A (auto)

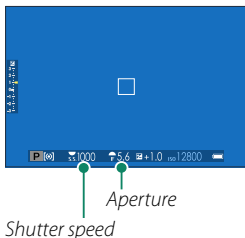



Confirm that **P** appears in the display.

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


### Program Shift

If desired, you can rotate the rear command dial to select other combinations of shutter speed and aperture without altering exposure (program shift).



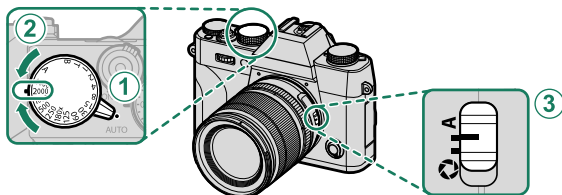
 Program shift is not available in any of the following circumstances:

- With flash units that support TTL auto
- When an auto option is selected for **IMAGE QUALITY SETTING > DYNAMIC RANGE**
- In movie mode

 To cancel program shift, turn the camera off.

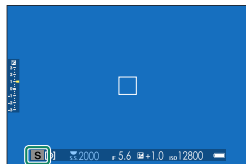
## Mode S: Shutter-Priority AE

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



### Setting

① Auto mode selector lever	●
② Shutter speed	User-selected
③ Aperture	A (auto)



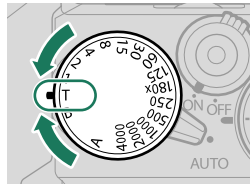
Confirm that **S** appears in the display.

- ⓘ If the correct exposure cannot 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  $\frac{1}{3}$  EV by rotating the rear command dial.
- Shutter speed can be adjusted while the shutter button is pressed halfway.

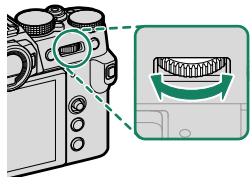
## Time (T)

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.



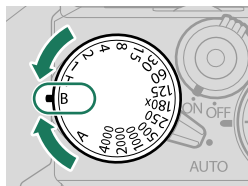
- 3 Press the shutter button all the way down to take a picture at the selected shutter speed. At speeds of 1 s or slower, a count-down timer will be displayed while the exposure is in progress.

 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.

## 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**.

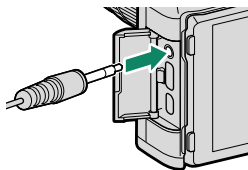


- 2 Press the shutter button all the way down. The shutter will remain open for up to 60 minutes while the shutter button is pressed; the display shows the time elapsed since the exposure started.

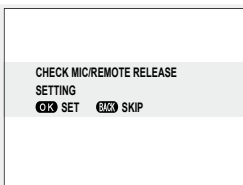
- Selecting an aperture of **A** fixes shutter speed at 30 s.
- To reduce “noise” (mottling) in long time-exposures, select **ON** for **IMAGE QUALITY SETTING > LONG EXPOSURE NR.** Note that this may increase the time needed to record images after shooting.

### Using a Remote Release

A remote release can be used for long time-exposures. When using an optional RR-100 remote release or an electronic release from third-party suppliers, connect it to the camera's remote release connector.

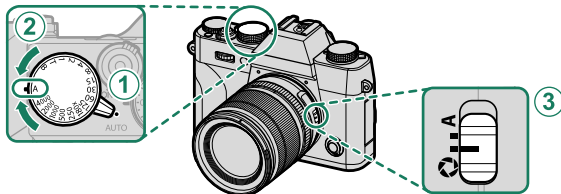


- A confirmation dialog will be displayed when a remote release is connected; press **MENU/OK** and select **REMOTE** for **MIC/REMOTE RELEASE**.

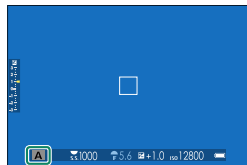


## Mode A: Aperture-Priority AE

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



Setting	
① Auto mode selector lever	●
② Shutter speed	A (auto)
③ Aperture	f (user-selected)




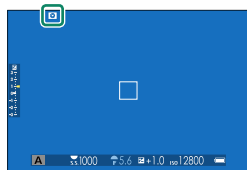
Confirm that **A** appears in the display.

- ❗ If the correct exposure cannot 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 “-- --”.

- 📏 Rotate the lens aperture ring to adjust aperture.
- Aperture can be adjusted even while the shutter button is pressed halfway.

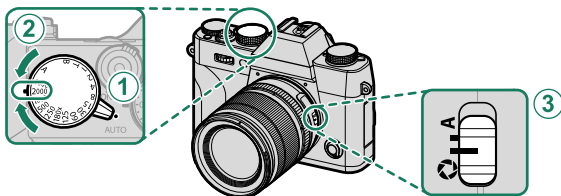
### Previewing Depth of Field

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

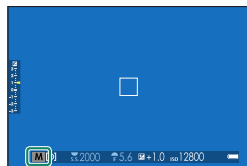


## Mode M: Manual Exposure

In manual mode, the user controls both shutter speed and aperture. Shots can be deliberately overexposed (brighter) or underexposed (darker), opening the door for a variety of individual creative expression. The amount the picture would be under- or over-exposed at current settings is shown by the exposure indicator; adjust shutter speed and aperture until the desired exposure is reached.



Setting	
① Auto mode selector lever	●
② Shutter speed	User-selected
③ Aperture	f (user-selected)



Confirm that M appears in the display.

- Rotate the lens aperture ring to adjust aperture.
- At settings other than **180X**, shutter speed can also be adjusted in increments of  $\frac{1}{2}$  EV by rotating the rear command dial.



### Exposure Preview

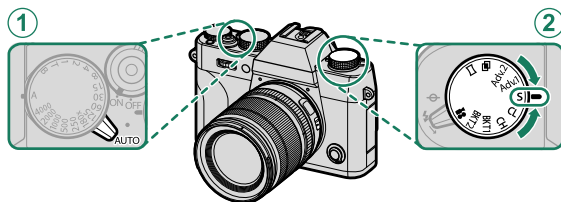
To preview exposure in the LCD monitor, select an option other than **OFF** for **SCREEN SET-UP > PREVIEW EXP./WB IN MANUAL MODE**.



Select **OFF** when using the flash or on other occasions on which exposure may change when the picture is taken.

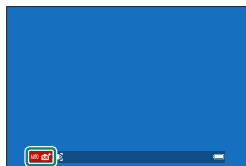
### Auto Mode

Auto mode offers options suited to particular subject types.


















	Setting
① Auto mode selector lever	AUTO
② Drive dial	S (single frame)

The currently-selected scene appears in the display.



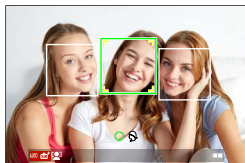
- You can also choose a scene using the **SHOOTING SETTING > SCENE POSITION** item in the shooting menu.
- Focus-area selection is not available when a scene is selected.

Choose from the following options:

Mode	Description
 <b>ADVANCED SR AUTO</b>	The camera automatically optimizes settings to suit the scene.
 <b>PORTRAIT</b>	Choose for portraits.
 <b>PORTRAIT ENHANCER</b>	Processes portraits to give the subject a smooth, natural-looking complexion.
 <b>LANDSCAPE</b>	Choose for daylight shots of buildings and landscapes.
 <b>SPORT</b>	Choose when photographing moving subjects.
 <b>NIGHT</b>	Choose for poorly lit twilight or night scenes.
 <b>NIGHT (TRIPOD)</b>	Choose this mode for slow shutter speeds when shooting at night.
 <b>FIREWORKS</b>	Slow shutter speeds are used to capture the expanding burst of light from a firework.
 <b>SUNSET</b>	Choose this mode to record the vivid colors in sunrises and sunsets.
 <b>SNOW</b>	Choose for crisp, clear shots that capture the brightness of scenes dominated by shining white snow.
 <b>BEACH</b>	Choose for crisp, clear shots that capture the brightness of sunlit beaches.
 <b>UNDERWATER</b>	Reduces the blue cast typically associated with underwater lighting.
 <b>PARTY</b>	Capture indoor background lighting under low-light conditions.
 <b>FLOWER</b>	Effective for taking more vivid shots of flowers.
 <b>TEXT</b>	Take clear pictures of text or drawings in print.

## SR+ ADVANCED SR AUTO

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



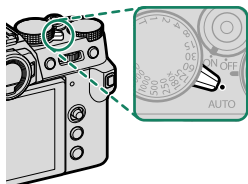
- AUTO
- LANDSCAPE
- NIGHT
- NIGHT (TRIPOD)
- MACRO
- SUNSET
- SKY
- SKY & GREENERY
- BACKLIT PORTRAIT
- PORTRAIT&MOTION
- BEACH
- SNOW
- GREENERY
- PORTRAIT
- MOVING OBJECT
- BACKLIT PORTRAIT&MOTION

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

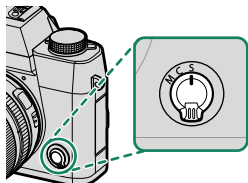
## Autofocus

Take pictures using autofocus.

- 1 Rotate the auto mode selector lever to **●** (📖 6).

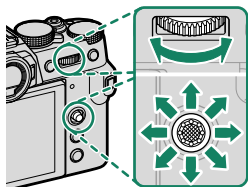


- 2 Rotate the focus mode selector to **S** or **C** (📖 65).



- 3 Use **AF/MF SETTING > AF MODE** to choose an AF mode (📖 67).

- 4 Choose the position and size of the focus frame (📖 69).



- 5 Take pictures.

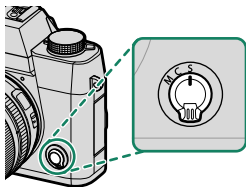


For information on the autofocus system, visit:

<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:

Mode	Description
<b>S</b> (AF-S)	<b>Single AF:</b> Focus locks while the shutter button is pressed halfway. Choose for stationary subjects.
<b>C</b> (AF-C)	<b>Continuous AF:</b> 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.
<b>M</b> (manual)	<b>Manual:</b> 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 (📖 73).

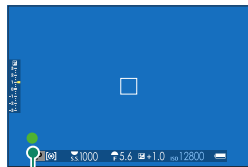


- Regardless of the option selected, manual focus will be used when the lens is in manual focus mode.
- If **ON** is selected for **AF/MF SETTING > PRE-AF**, focus will be adjusted continuously in modes **S** and **C** even when the shutter button is not pressed.

## The Focus Indicator

Focus status is shown by the focus indicator.

Focus indicator	Focus status
( )	Camera focusing.
● (lights green)	Subject in focus; focus locked (focus mode <b>S</b> ).
● (lights green)	Subject in focus (focus mode <b>C</b> ).
○ (blinks white)	Focus is automatically adjusted for changes in distance to subject.
MF	Manual focus (focus mode <b>M</b> ).




Focus indicator

## Autofocus Options (AF Mode)




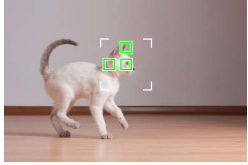






Choose how the camera focuses in modes **S** and **C**.

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






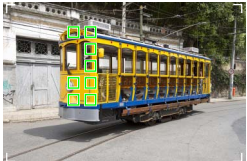




 This feature can also be accessed via shortcuts (📖 222).

How the camera focuses depends on the focus mode.

### Focus Mode **S** (AF-S)

Option	Description	Sample image
 <b>SINGLE POINT</b>	Camera focuses on subject in selected focus point. Use for pin-point focus on selected subject.	
 <b>ZONE</b>	Camera focuses on subject in selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects in motion.	
 <b>WIDE</b>	Camera focuses automatically on high-contrast subjects; display shows areas in focus.	
 <b>ALL</b>	Rotate the rear command dial in the focus-point selection display (📖 69, 70) to cycle through AF modes in the following order:  <b>SINGLE POINT</b> ,  <b>ZONE</b> , and  <b>WIDE</b> .	

## Focus Mode C (AF-C)

Option	Description	Sample image
 <b>SINGLE POINT</b>	Focus tracks subject at selected focus point. Use for subjects moving toward or away from camera.	
 <b>ZONE</b>	Focus tracks subject in selected focus zone. Use for subjects that are moving fairly predictably.	
 <b>TRACKING</b>	Focus tracks subjects moving through wide area of frame.	
 <b>ALL</b>	Rotate the rear command dial in the focus-point selection display (📖 69, 70) to cycle through AF modes in the following order:  <b>SINGLE POINT</b> ,  <b>ZONE</b> , and  <b>TRACKING</b> .	



## Focus-Point Selection

Choose a focus point for autofocus.

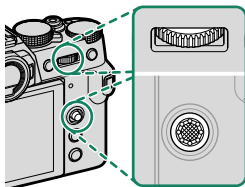
### Viewing the Focus-Point Display




- 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 focus stick (focus lever) and rear command dial to choose a focus area.

 The focus point can also be selected using touch controls (📖 21).

### Selecting a Focus Point

Use the focus stick (focus lever) 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.



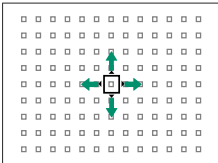
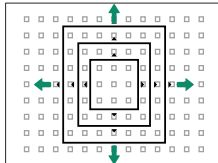
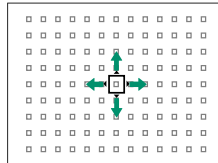
AF mode	Focus stick		Rear command dial	
	Tilt	Press	Rotate	Press
	Select focus point	Select center focus point	Choose from 6 frame sizes	Restore original size
			Choose from 3 frame sizes	
			—	

- Manual focus-point selection is not available when **[ ] WIDE/TRACKING** is selected in focus mode **S**.
- If **[ ALL ] ALL** is selected for AF mode, you can rotate the rear command dial in the focus-point selection display to cycle through AF modes in the following order: **[ ] SINGLE POINT** (6 frame sizes), **[ ] ZONE** (3 frame sizes), and either **[ ] WIDE** (focus mode **S**) or **[ ] TRACKING** (focus mode **C**).

## The Focus-Point Display

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

- Focus frames are shown by small squares (**[ ]**), focus zones by the large squares.

AF mode		
<b>[ ] SINGLE POINT</b>	<b>[ ] ZONE</b>	<b>[ ] WIDE/TRACKING</b>
		
Number of points available can be selected using <b>[ AF/MF ] AF/MF SETTING &gt; NUMBER OF FOCUS POINTS</b> .	Choose from zones with $7 \times 7$ , $5 \times 5$ , or $3 \times 3$ focus points.	Position focus frame over subject you want to track.

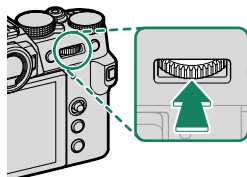
**Autofocus**

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. Use the focus stick (focus lever) to choose another focus area. Press the center of the rear command dial again to cancel zoom.







*Normal display*



*Focus zoom*

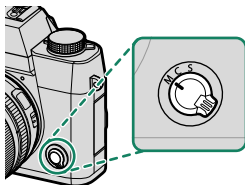


- In focus mode **S**, zoom can be adjusted by rotating the rear command dial.
- The focus stick can be used to select the focus area while zoom is in effect.
- In focus mode **S**, select  **SINGLE POINT** for **AF MODE**.
- Focus zoom is not available in focus mode **C** or when  **AF/MF SETTING** > **PRE-AF** is on.
- Use  **BUTTON/DIAL SETTING** > **FUNCTION (Fn) SETTING** to change the function performed by the center of the rear command dial. You can also assign its default function to other controls ( 230).

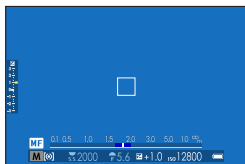
## Manual Focus

Adjust focus manually.

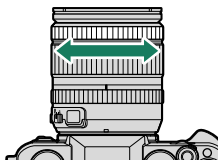
- 1 Rotate the focus mode selector to M.



**MF** 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  **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 SET-UP > 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 distance  
(white line)*



*Depth of field*

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

## 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. Press the center of the rear command dial to exit zoom.

- Use the focus stick (focus lever) to choose another focus area.
- If **STANDARD** or **FOCUS PEAK HIGHLIGHT** is selected for **AF/MF SETTING > MF ASSIST**, zoom can be adjusted by rotating the rear command dial. Zoom cannot be adjusted when **DIGITAL SPLIT IMAGE** or **DIGITAL MICROPRISM** is selected.

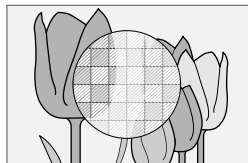
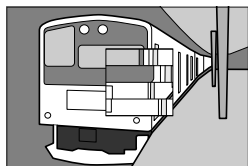
## MF Assist

Use **AF/MF SETTING > MF ASSIST** to choose a focus check option.

- 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.
- **DIGITAL MICROPRISM:** A grid pattern that emphasizes blur is displayed when the subject is out of focus, disappearing to be replaced by a sharp image when the subject is in focus.

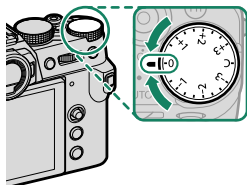




## Exposure Compensation

Adjust exposure.

Rotate the exposure compensation dial.



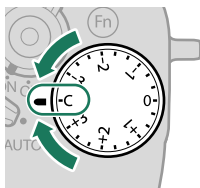
- The amount of compensation available varies with the shooting mode.
- Exposure compensation can be previewed in the shooting display, although the display may not accurately reflect its effects if:
  - the exposure compensation amount exceeds  $\pm 3$  EV,
  - **200%** or **400%** is selected for **DYNAMIC RANGE**, or
  - **STRONG** or **WEAK** is selected for **D RANGE PRIORITY**.

Exposure compensation can still be previewed in the viewfinder or LCD monitor by pressing the shutter button halfway. In movie mode, the display may not accurately reflect the effects of exposure compensation when **200%** or **400%** is selected for **DYNAMIC RANGE** or **ON** is selected for **F-Log RECORDING**. An accurate preview can be obtained by selecting mode **M** and adjusting exposure directly.

### C (Custom)

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

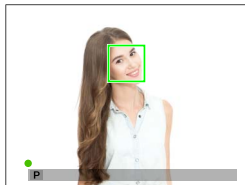
- The front command dial can be used to set exposure compensation to values between  $-5$  and  $+5$  EV.
- The front command dial can be used to set aperture or exposure compensation. Press the dial to toggle between the two.



## Focus/Exposure Lock

Compose photographs with off-center subjects.

- 1 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).



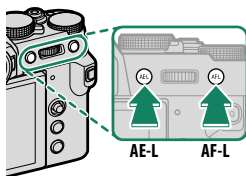
- 2 Press the button all the way down.



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.

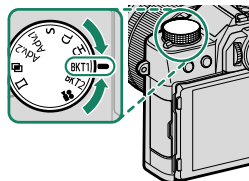


- While the assigned control is pressed, pressing the shutter button halfway will not end the lock.
- If **AE&AF ON/OFF SWITCH** is selected for **FUNCTION/DIAL SETTING > AE/AF-LOCK MODE**, the lock can only be ended by pressing the control a second time.
- The controls used for **AE LOCK ONLY**, **AF LOCK ONLY**, and **AE/AF LOCK** can be chosen using **FUNCTION/DIAL SETTING > FUNCTION (Fn) SETTING** (📖 204, 228).

## BKT Bracketing

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 the desired bracketing option (128).

### Bracketing type

**AE BKT**


**ISO BKT**

**FILM SIMULATION BKT**

**WB BKT**

**DR BKT**


**FOCUS BKT**

 This feature can also be accessed via shortcuts (222).

- 3 Take photographs.

## AE BKT

Choose the number of shots in the bracketing sequence and the order in which the shots are taken. You can also choose the amount exposure is varied with each shot and whether the shots are taken one at a time or in a single burst.

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

## ISO BKT

Select a bracketing amount ( $\pm\frac{1}{3}$ ,  $\pm\frac{2}{3}$ , or  $\pm 1$ ). 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.

## WHITE BALANCE BKT

Select a bracketing amount ( $\pm 1$ ,  $\pm 2$ , 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.

**DR** 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 640; the sensitivity previously in effect is restored when bracketing ends.

**FOCUS** FOCUS BKT

Each time the shutter button is pressed, the camera takes a series of photos, varying focus with each shot. You can choose the number of shots, the amount focus changes with each shot, and the interval between shots.

**BKT Setting**

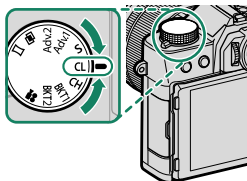
Settings for exposure, sensitivity, film simulation, white balance and focus bracketing can be adjusted using  **SHOOTING SETTING > DRIVE SETTING > BKT1 SETTING** or **BKT2 SETTING**.



## Continuous Shooting (Burst Mode)

Capture motion in a series of pictures.

- 1 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 ([127](#)).



This feature can also be accessed via shortcuts ([222](#)).


- 3 Keep the shutter button pressed to take photos at the rate selected in Step 2.

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.
- Shooting ends when the memory card is full; the camera will record all photos shot to that point. Burst shooting may not begin if the space available on the memory card is insufficient.
- Frame rates may slow as more shots are taken.
- Frame rate varies with the scene, shutter speed, sensitivity, and focus mode.
- Depending on shooting conditions, frame rates may slow or the flash may not fire.
- Recording times may increase during burst shooting.

**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**.
- To vary both focus and exposure with each shot, select focus mode **C** and choose **OFF** for  **BUTTON/DIAL SETTING > SHUTTER AE**.

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




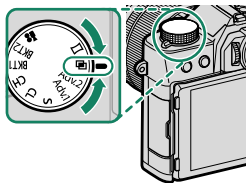


## Multiple Exposures

Create a photograph that combines two exposures.



- 1 Rotate the drive dial to .



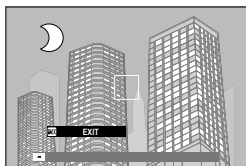
- 2 Take the first shot.

- 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 focus stick (focus lever) 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.



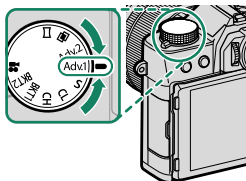
- 5 Press **MENU/OK** to create the multiple exposure, or press the focus stick left to return to Step 4 and retake the second shot.




## ADV. Advanced Filters

Take photos with filter effects.

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
















- 2 Navigate to **DRIVE SETTING > Adv. FILTER 1 SELECT** or **Adv. FILTER 2 SELECT** in the **SHOOTING SETTING** menu and choose the desired filter effect (📖 127).


 This feature can also be accessed via shortcuts (📖 222).

- 3 Take photographs.

## Advanced Filter Options

Choose from the following filters:


Filter	Description
 <b>TOY CAMERA</b>	Choose for a retro toy camera effect.
 <b>MINIATURE</b>	The tops and bottoms of pictures are blurred for a diorama effect.
 <b>POP COLOR</b>	Create high-contrast images with saturated colors.
 <b>HIGH-KEY</b>	Create bright, low-contrast images.
 <b>LOW-KEY</b>	Create uniformly dark tones with few areas of emphasized highlights.
 <b>DYNAMIC TONE</b>	Dynamic tone expression is used for a fantasy effect.
 <b>SOFT FOCUS</b>	Create a look that is evenly soft throughout the whole image.
 <b>PARTIAL COLOR (RED)</b>	Areas of the image that are the selected color are recorded in that color. All other areas of the image are recorded in black-and-white.
 <b>PARTIAL COLOR (ORANGE)</b>	
 <b>PARTIAL COLOR (YELLOW)</b>	
 <b>PARTIAL COLOR (GREEN)</b>	
 <b>PARTIAL COLOR (BLUE)</b>	
 <b>PARTIAL COLOR (PURPLE)</b>	

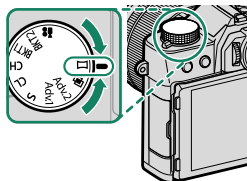
 Depending on the subject and camera settings, images may in some cases be grainy or vary in brightness or hue.



## Panoramas

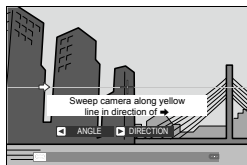
Follow an on-screen guide to create a panorama.

- 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 focus stick (focus lever) left. Highlight a size and press **MENU/OK**.
- 3 Press the focus stick 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.



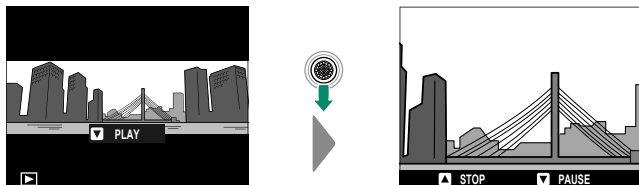
### For Best Results

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.
- The last part of the panorama may not be recorded if shooting ends before the panorama is complete.
- Panoramas are created from multiple frames, and the camera may in some cases be unable to stitch the frames together perfectly.
- Panoramas may be blurred if the subject is poorly lit.
- Shooting may be interrupted if the camera is panned too quickly or too slowly. Panning the camera in a direction other than that shown cancels shooting.
- The camera may in some cases record a greater or lesser angle than selected.
- 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
  - Subjects that undergo marked changes in brightness
- If **ON** is selected for **📷 BUTTON/DIAL SETTING > SHUTTER AE**, exposure for the entire panorama is determined by the first frame.

## Viewing Panoramas

With the panorama displayed full frame, press the focus stick (focus lever) down to start panorama playback. Vertical panoramas will scroll vertically, horizontal panoramas horizontally.



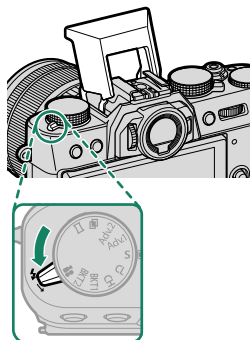
- In full-frame playback, you can use the rear command dial to zoom panoramas in or out.
- Panorama playback is controlled using the focus stick.

Focus stick (focus lever)	Full-frame playback	Panorama playback	Panorama playback paused
Up	—	End playback	
Down	Start playback	Pause playback	Resume playback
Left/right	View other pictures	Choose pan direction	Scroll panorama manually

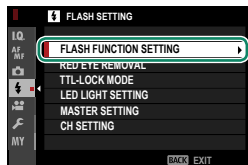
## Flash Photography

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

- 1 Slide the ⚡ lever as shown to raise the flash.



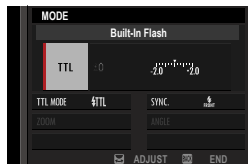
- 2 Select **FLASH FUNCTION SETTING** in the ⚡ **FLASH SETTING** menu. The camera will display options for the built-in flash.



! Sync terminal options will be displayed if the built-in flash is lowered and either no flash unit, or an incompatible flash unit, is mounted on the hot shoe (📖 236). Raise the flash before adjusting settings.



📖 This feature can also be accessed via shortcuts (📖 222).

- 3 Highlight items using the focus stick (focus lever) and rotate the rear command dial to change the highlighted setting (📖 94).



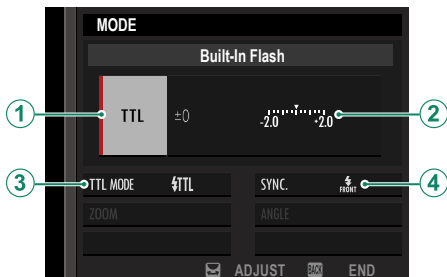


#### 4 Press **DISP/BACK** to put the changes into effect.




-  Depending on the distance to the subject, some lenses may cast shadows in photos taken with the flash.
    - Be careful not to injure yourself on the edges of the raised 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**).
- 
-  In TTL mode, the flash may 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 **USER SETTING** menu.

## Flash Settings

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



Setting	Description
① Flash control mode	<p>Choose from the following options:</p> <ul style="list-style-type: none"> <li>• <b>TTL</b>: TTL mode. Adjust flash compensation (②) and choose a flash mode (③).</li> <li>• <b>M</b>: The flash fires at the selected output (②) regardless of subject brightness or camera settings. Output is expressed in fractions of full power, from <math>\frac{1}{2}</math> to <math>\frac{1}{64}</math>. 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.</li> <li>• <b>⚡ (COMMANDER)</b>: Choose if the flash is being used to control remote synced flash units, for example as part of a studio flash system.</li> <li>• <b>OFF (OFF)</b>: <i>The flash does not fire.</i></li> </ul>
② Flash compensation/output	Adjust flash level. The options available vary with the flash control mode (①).

Setting	Description
<p>③ Flash mode (TTL)</p>	<p>Choose a flash mode for TTL flash control. The options available vary with the shooting mode (<b>P</b>, <b>S</b>, <b>A</b>, or <b>M</b>) selected.</p> <ul style="list-style-type: none"> <li>• <b>FLASH AUTO</b> (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.</li> <li>• <b>TTL (STANDARD)</b>: 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.</li> <li>• <b>TTL (SLOW SYNC.)</b> (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.</li> </ul>
<p>④ Sync</p>	<p>Choose whether the flash is timed to fire immediately after the shutter opens (/<b>1ST CURTAIN</b>) or immediately before it closes (/<b>2ND CURTAIN</b>). <b>1ST CURTAIN</b> is recommended in most circumstances.</p>

**Red-Eye Removal**

Red-eye removal is available when an option other than **OFF** is selected for **[ ] FLASH SETTING > RED EYE REMOVAL** and **[ AF/MF ] AF/MF SETTING > FACE/EYE DETECTION SETTING** is **FACE DETECTION 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  $\frac{1}{180}$  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

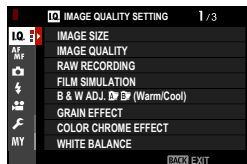
6



## IMAGE QUALITY SETTING

Adjust image quality settings.

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



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	Image size	Option	Image size
<b>L</b> 3:2	6240 × 4160	<b>L</b> 16:9	6240 × 3512	<b>L</b> 1:1	4160 × 4160
<b>M</b> 3:2	4416 × 2944	<b>M</b> 16:9	4416 × 2488	<b>M</b> 1:1	2944 × 2944
<b>S</b> 3:2	3120 × 2080	<b>S</b> 16:9	3120 × 1760	<b>S</b> 1:1	2080 × 2080

The following options are available in **SPORTS FINDER MODE** and when **1.25X CROP** is selected in **CH HIGH SPEED BURST** mode:

Option	Image size	Option	Image size	Option	Image size
<b>M</b> 3:2	4992 × 3328	<b>M</b> 16:9	4992 × 2808	<b>M</b> 1:1	3328 × 3328



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

## IMAGE QUALITY

Choose a file format and compression ratio.

Option	Description
<b>FINE</b>	Lower compression ratios are used for higher-quality images.
<b>NORMAL</b>	Higher compression ratios are used to increase the number of images that can be stored.
<b>FINE + RAW</b>	Record both RAW and fine-quality JPEG images.
<b>NORMAL + RAW</b>	Record both RAW and normal-quality JPEG images.
<b>RAW</b>	Record RAW images only.

### The Function Buttons

To toggle RAW image quality on or off for a single shot, assign **RAW** to a function button (📖 230). Press the button once to select the option in the right column, again to return to the original setting (left column).

Option currently selected for IMAGE QUALITY	Option selected by pressing function button to which RAW is assigned
<b>FINE</b>	<b>FINE + RAW</b>
<b>NORMAL</b>	<b>NORMAL + RAW</b>
<b>FINE + RAW</b>	<b>FINE</b>
<b>NORMAL + RAW</b>	<b>NORMAL</b>
<b>RAW</b>	<b>FINE</b>












## RAW RECORDING

Choose whether to compress RAW images.


Option	Description
<b>UNCOMPRESSED</b>	RAW images are not compressed.
<b>LOSSLESS COMPRESSED</b>	RAW images are compressed using a reversible algorithm that reduces file size with no loss of image data. The images can be viewed in RAW FILE CONVERTER EX (📖 265), FUJIFILM X RAW STUDIO (📖 266), 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
 <b>PROVIA/STANDARD</b>	Standard color reproduction. Suited to a wide range of subjects, from portraits to landscapes.
 <b>Velvia/VIVID</b>	A high-contrast palette of saturated colors, suited to nature photos.
 <b>ASTIA/SOFT</b>	Enhances the range of hues available for skin tones in portraits while preserving the bright blues of daylight skies. Recommended for outdoor portrait photography.
 <b>CLASSIC CHROME</b>	Soft color and enhanced shadow contrast for a calm look.
 <b>PRO Neg. Hi</b>	Offers slightly more contrast than  <b>PRO Neg. Std.</b> Recommended for outdoor portrait photography.
 <b>PRO Neg. Std</b>	A soft-toned palette. The range of hues available for skin tones is enhanced, making this a good choice for studio portrait photography.
 <b>ETERNA/CINEMA</b>	Film movies using a palette that features subdued colors and deep shadows.
 <b>ACROS*</b>	Take black-and-white photos with rich gradation and outstanding sharpness.
 <b>MONOCHROME*</b>	Take pictures in standard black and white.
 <b>SEPIA</b>	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 (📖 222).
- For more information, visit:  
<http://fujifilm-x.com/en/x-stories/the-world-of-film-simulation-episode-1/>



**B & W ADJ.**   (Warm/Cool)

Add a reddish or bluish tinge (warm or cool color cast) to monochrome pictures taken with the  **ACROS** or  **MONOCHROME** film simulation.

Option	Description
+9 — +1	Higher positive values equate to a redder color cast.
0	Normal monochrome (grayscale).
-1 — -9	Lower negative values equate to a bluer color cast.

**GRAIN EFFECT**

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

Options		
<b>STRONG</b>	<b>WEAK</b>	<b>OFF</b>












**COLOR CHROME EFFECT**




Deepen colors in shadows. Select an amount (**STRONG** or **WEAK**) or choose **OFF** to turn the effect off.

Options		
<b>STRONG</b>	<b>WEAK</b>	<b>OFF</b>

## WHITE BALANCE

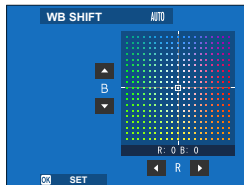
For natural colors, choose a white balance option that matches the light source.

Option	Description
<b>AUTO</b>	White balance is adjusted automatically.
  	Measure a value for white balance.
	Choose a color temperature.
	For subjects in direct sunlight.
	For subjects in the shade.
	Use under “daylight” fluorescent lights.
	Use under “warm white” fluorescent lights.
	Use under “cool white” fluorescent lights.
	Use under incandescent lighting.
	Reduces the blue cast typically associated with underwater lighting.

-  In conditions in which **AUTO** fails to produce the desired results—for example, under certain types of lighting or in close-ups of portrait subjects—use custom white balance or choose a white balance option suited to the light source.
- 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 ( 222).

## Fine-Tuning White Balance

Pressing **MENU/OK** after selecting a white balance option displays a fine-tuning dialog; use the focus stick (focus lever) to fine-tune white balance.

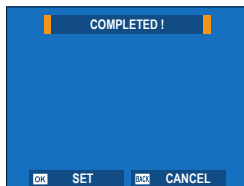
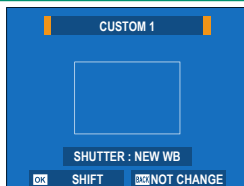


- To exit without fine-tuning white balance, press **DISP/BACK** after selecting a white balance option.
- The focus stick (focus lever) does not tilt diagonally.

## Custom White Balance

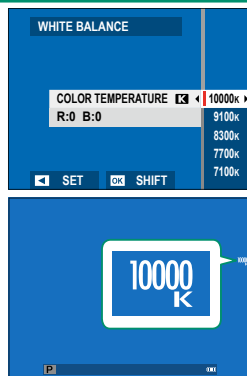
Choose  $\Omega_1$ ,  $\Omega_2$ , or  $\Omega_3$  to adjust white balance for unusual lighting conditions. White balance measurement options will be displayed; frame a white object so that it fills the display and press the shutter button all the way down to measure white balance (to select the most 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 a fine-tuning dialog, then highlight the desired value and press **MENU/OK** again. The selected color temperature will be shown in the display.



### 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.”

### 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 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.


#### Options


AUTO

100 100%

200 200%

400 400%


 Mottling may appear in pictures taken at higher values. Choose a value according to the scene.

-  If **AUTO** is selected, the camera will automatically choose either **100%** or **200%** according to the subject and shooting conditions. Shutter speed and aperture will be displayed when the shutter button is pressed halfway.
- 200%** is available at sensitivities of from ISO 320 to ISO 12800, **400%** at sensitivities of from ISO 640 to 12800.

## D RANGE PRIORITY

Reduce loss of detail in highlights and shadows for natural-looking results when photographing high-contrast scenes.

Option	Description
<b>AUTO</b>	Contrast is adjusted automatically in response to lighting conditions.
<b>STRONG</b>	Adjust dynamic range by a large amount for very high-contrast scenes.
<b>WEAK</b>	Adjust dynamic range by a smaller amount for moderately high-contrast scenes.
<b>OFF</b>	Contrast reduction off.

-  **WEAK** is available at sensitivities of from ISO 320 to ISO 12800, **STRONG** at sensitivities of from ISO 640 to 12800.
- When an option other than **OFF** is selected, **HIGHLIGHT TONE**, **SHADOW TONE**, and **DYNAMIC RANGE** will be adjusted automatically; if you wish to adjust these settings manually, choose **OFF**.

## HIGHLIGHT TONE

Adjust the appearance of highlights.

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

## SHADOW TONE

Adjust the appearance of shadows.

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

## COLOR

Adjust color density.

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

## SHARPNESS

Sharpen or soften outlines.

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

## NOISE REDUCTION

Reduce noise in pictures taken at high sensitivities.

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

## LONG EXPOSURE NR

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

Options	
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.

Options	
ON	OFF


## 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.



- 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.
- Processing may take a few seconds.

## SELECT CUSTOM SETTING

Settings can be recalled from any of the seven custom settings banks.

Banks			
CUSTOM 1	CUSTOM 2	CUSTOM 3	CUSTOM 4
CUSTOM 5	CUSTOM 6	CUSTOM 7	

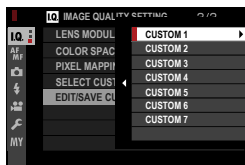


## EDIT/SAVE CUSTOM SETTING

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**.

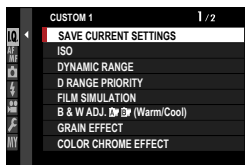
- 1 Press **MENU/OK** in shooting mode to display the shooting menu. Select the **IMAGE QUALITY SETTING** tab, then highlight **EDIT/SAVE CUSTOM SETTING** and press **MENU/OK**.

- 2 Highlight a custom settings bank and press **MENU/OK** to select.

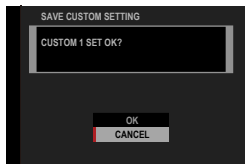


- 3 Adjust the following as desired:

- ISO
- DYNAMIC RANGE
- D RANGE PRIORITY
- FILM SIMULATION
- B & W ADJ. **A** **B**  
(Warm/Cool)
- GRAIN EFFECT
- COLOR CHROME EFFECT
- WHITE BALANCE
- HIGHLIGHT TONE
- SHADOW TONE
- COLOR
- SHARPNESS
- NOISE REDUCTION



- 4 Press **DISP/BACK**. A confirmation dialog will be displayed; highlight **OK** and press **MENU/OK**.



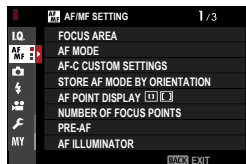
- To store current camera settings in the selected bank, highlight **SAVE CURRENT SETTINGS** in Step 3 and press **MENU/OK**.
- To restore default settings for the current bank, select **RESET**.
- Banks can be renamed using **EDIT CUSTOM NAME**.



## AF/MF SETTING

Adjust focus settings.

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











The options available vary with the shooting mode selected.

## FOCUS AREA

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

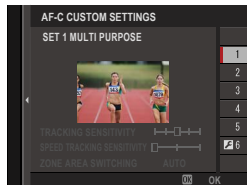
## AF MODE

Choose the AF mode for focus modes **S** and **C**.

Option	Description
 <b>SINGLE POINT</b>	The camera focuses on the subject in the selected focus point. The number of focus points available can be selected using  <b>AF/MF SETTING &gt; NUMBER OF FOCUS POINTS</b> . Use for pin-point focus on a selected subject.
 <b>ZONE</b>	The camera focuses on the subject in the selected focus zone. Focus zones include multiple focus points, making it easier to focus on subjects that are in motion.
 <b>WIDE/TRACKING</b>	<ul style="list-style-type: none"> <li>• In focus mode <b>S</b>, the camera automatically focuses on high-contrast subjects; the areas in focus are shown in the display.</li> <li>• In focus mode <b>C</b>, the camera tracks focus on the subject in the selected focus point while the shutter button is pressed halfway.</li> </ul> The camera may be unable to focus on small objects or subjects that are moving rapidly.
 <b>ALL</b>	Rotate the rear command dial in the focus-point selection display (📖 69, 70) to cycle through AF modes in the following order:  <b>SINGLE POINT</b> ,  <b>ZONE</b> , and  <b>WIDE/TRACKING</b> .

## AF-C CUSTOM SETTINGS

Select focus-tracking options for focus mode C. Choose from Sets 1–5 according to your subject or select Set 6 for custom focus-tracking options.



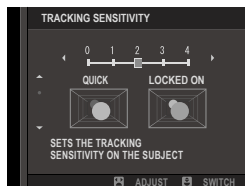
Option	Description
<b>SET 1 MULTI PURPOSE</b>	A standard tracking option that works well with the typical range of moving subjects.
<b>SET 2 IGNORE OBSTACLES &amp; CONTINUE TO TRACK SUBJECT</b>	The focus system attempts to track the chosen subject. Choose with subjects that are hard to keep in the focus area or if other objects are likely to enter the focus area with the subject.
<b>SET 3 FOR ACCELERATING/ DECELERATING SUBJECT</b>	The focus system attempts to compensate for subject acceleration or deceleration. Choose for subjects prone to rapid changes in velocity.
<b>SET 4 FOR SUDDENLY APPEARING SUBJECT</b>	The focus system attempts to focus quickly on subjects entering the focus area. Choose for subjects that appear abruptly or when rapidly switching subjects.
<b>SET 5 FOR ERRATICALLY MOVING &amp; ACCEL./DECEL. SUBJECT</b>	Choose for hard-to-track subjects prone not only to sudden changes in velocity but also to large movements front to back and left to right.
<b>SET 6 CUSTOM</b>	Adjust <b>TRACKING SENSITIVITY</b> , <b>SPEED TRACKING SENSITIVITY</b> , and <b>ZONE AREA SWITCHING</b> to suit your preferences based on the values for Sets 1–5 (📖 113, 115).

## Focus Tracking Options

The individual parameters that are part of a focus tracking set are described below.

### **TRACKING SENSITIVITY**

This parameter determines how long the camera waits to switch focus when an object enters the focus area behind or in front of the current subject. The higher the value, the longer the camera will wait.



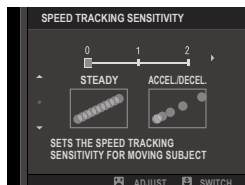
#### Options

0	1	2	3	4
---	---	---	---	---

- The higher the value, the longer it takes the camera to refocus when you attempt to switch subjects.
- The lower the value, the more likely the camera is to switch focus from your subject to other objects in the focus area.

### **SPEED TRACKING SENSITIVITY**

This parameter determines how sensitive the tracking system is to changes in subject velocity. The higher the value, the greater the precision with which the system attempts to respond to sudden movement.



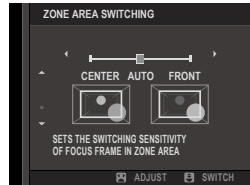
#### Options

0	1	2
---	---	---



- The higher the value, the more difficulty the camera will have focusing in situations in which autofocus does not perform well, such as when the subject is highly reflective or low in contrast.

## ZONE AREA SWITCHING

This parameter determines the focus area given priority in zone AF.



Option	Description
<b>FRONT</b>	Zone AF assigns priority to the subjects closest to the camera.
<b>AUTO</b>	The camera locks focus on the subject at the center of the zone and then switches focus areas as necessary to track it.
<b>CENTER</b>	Zone AF assigns priority to subjects in the center of the zone.

 This option takes effect only when  **ZONE** is selected for AF mode.

### Set Values

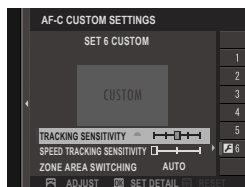
Parameter values for the different sets are listed below.


	TRACKING SENSITIVITY	SPEED TRACKING SENSITIVITY	ZONE AREA SWITCHING
<b>SET 1</b>	2	0	AUTO
<b>SET 2</b>	3	0	CENTER
<b>SET 3</b>	2	2	AUTO
<b>SET 4</b>	0	1	FRONT
<b>SET 5</b>	3	2	AUTO

## Custom Focus Tracking Options

Follow the steps below to adjust settings for Set 6.

- 1 Select **AF-C CUSTOM SETTINGS > SET 6 CUSTOM**.



- 2 Highlight items using the focus stick (focus lever) and rotate the front command dial to change. To reset settings to their original values, press .
- 3 Press **DISP/BACK** when settings are complete.

## STORE AF MODE BY ORIENTATION

Choose whether the focus mode and focus area used when the camera is in portrait orientation are stored separately from those used when the camera is in landscape orientation.

Option	Description
<b>OFF</b>	The same settings are used in both orientations.
<b>FOCUS AREA ONLY</b>	The focus area for each orientation can be selected separately.
<b>ON</b>	The focus mode and focus area can be selected separately.

## AF POINT DISPLAY

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

Options	
<b>ON</b>	<b>OFF</b>

## NUMBER OF 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
<b>117 POINTS</b> (9 × 13)	Choose from 117 focus points arranged in a 9- by 13-point grid.
<b>425 POINTS</b> (17 × 25)	Choose from 425 focus points arranged in a 17- by 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. The camera adjusts focus continuously, allowing it to focus faster when the shutter button is pressed halfway. Choosing this option helps prevent missed shots.


Options	
<b>ON</b>	<b>OFF</b>

 Choosing **ON** increases the drain on the battery.

## AF ILLUMINATOR

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

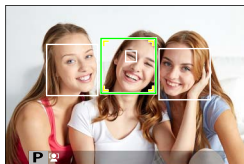
Options	
<b>ON</b>	<b>OFF</b>

-  • 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-assist illuminator directly into your subject's eyes.



## 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. You can also choose whether the camera detects and focuses on either the left or right eye when Intelligent Face Detection is on.




Option	Description
<b>FACE DETECTION ON</b>	<p>Adjust settings for Intelligent Face Detection. You can also adjust eye detection settings.</p> <ul style="list-style-type: none"> <li>• <b>EYE OFF</b>: Intelligent Face Detection only.</li> <li>• <b>EYE AUTO</b>: The camera automatically chooses which eye to focus on when a face is detected.</li> <li>• <b>RIGHT EYE PRIORITY</b>: The camera focuses on the right eye of subjects detected using Intelligent Face Detection.</li> <li>• <b>LEFT EYE PRIORITY</b>: The camera focuses on the left eye of subjects detected using Intelligent Face Detection.</li> </ul>
<b>OFF</b>	Intelligent Face Detection and eye priority off.


- 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.
- In some modes, the camera may set exposure for the frame as a whole rather than the portrait subject.
- **FACE DETECTION ON** is selected automatically in **SR+ ADVANCED SR AUTO** mode.



- The face selected by the camera is indicated by a green border. Any other faces detected by the camera are indicated by white borders. To have the camera focus on a different subject, tap inside the white border. The  icon will change from white to green.
- You can also switch subjects by pressing the function button to which  **FACE SELECT**  is assigned and then using the focus stick (focus lever) or (during viewfinder photography) touch controls ( 206).
- If the selected subject leaves the frame, the camera will wait a set time for its return and consequently the green frame may sometimes appear in locations where no face is seen.
- You cannot switch subjects during burst photography.
- Faces can be detected with the camera in vertical or horizontal orientation.
- 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 ( 222).

### Using Touch Controls for Intelligent Face Detection


The touch controls that can be used when framing pictures in the monitor vary with the touch screen mode ( 22).

Option	Description
<b>TOUCH SHOOTING</b>	Tap a face in the display to focus and release the shutter.
<b>AF</b>	Tap a face in the display to lock focus.
<b>AREA</b>	<ul style="list-style-type: none"><li>• Tap faces to switch subjects.</li><li>• Tap anywhere else to temporarily suspend face detection and switch to single-point AF ( 67).</li></ul>

## AF+MF


If **ON** is selected in focus mode **S** and focus has been locked (whether by pressing the shutter button halfway or by other means), focus lock can be ended and focus adjusted manually by rotating the focus ring.

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.
- If the lens is equipped with a focus distance indicator, set the focus ring to the center, as the camera may fail to focus if the ring is set to infinity or the minimum focus distance.

 Standard and focus peaking MF assist options are supported.


### 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 can be selected using the rear command dial.](#)

## MF ASSIST

Choose how focus is displayed in manual focus mode.


Option	Description
<b>STANDARD</b>	Focus is displayed normally (focus peaking, digital split image, and digital micropism are not available).
<b>DIGITAL SPLIT IMAGE</b>	Displays a black-and-white ( <b>MONOCHROME</b> ) or color ( <b>COLOR</b> ) split image in the center of the frame. Frame the subject in the split-image area and rotate the focus ring until the three parts of the split image are correctly aligned.
<b>DIGITAL MICROPRISM</b>	A grid pattern that emphasizes blur is displayed when the subject is out of focus, disappearing to be replaced by a sharp image when the subject is in focus.
<b>FOCUS PEAK HIGHLIGHT</b>	The camera heightens high-contrast outlines. Choose a color and peaking level.

 You can also choose MF assist options by holding the center of the rear command dial.

## FOCUS CHECK

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

-  • Pressing the center of the rear command dial cancels focus zoom.
- The zoom position is centered on the current focus area and changes when the focus area is changed.

**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**.

Options	
ON	OFF

**INSTANT AF SETTING**

Choose whether the camera focuses using single AF (**AF-S**) or continuous AF (**AF-C**) when a button to which focus lock or **AF-ON** is assigned 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.

Options	
<b>PIXEL BASIS</b>	<b>FILM FORMAT BASIS</b>

## RELEASE/FOCUS PRIORITY






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

Option	Description
<b>RELEASE</b>	Shutter response is prioritized over focus. Pictures can be taken when the camera is not in focus.
<b>FOCUS</b>	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
 <b>TOUCH SHOOTING</b>	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.
 <b>AF</b>  <b>AF OFF</b>	<ul style="list-style-type: none"> <li>• In focus mode <b>S</b> (AF-S), the camera focuses when you tap your subject in the display. Focus locks at the current distance until you tap the <b>AF OFF</b> icon.</li> <li>• In focus mode <b>C</b> (AF-C), the camera initiates focus when you tap your subject display. The camera will continue to adjust focus for changes in the distance to the subject until you tap the <b>AF OFF</b> icon.</li> <li>• In manual focus mode (MF), you can tap the display to focus on the selected subject using autofocus.</li> </ul>
 <b>AREA</b>	Tap to select a point for focus or zoom. The focus frame will move to the selected point.
 <b>OFF</b>	Touch focus and shooting disabled.

## Movie Recording

Mode	Description
 <b>TOUCH SHOOTING</b>	Instead of pressing the shutter button, you can tap your subject in the display to focus and start recording. During recording, you can tap the display to focus as described below. <i>To end recording, press the shutter button.</i>
 <b>AF</b>	Tapping the display focuses the camera on the selected point. <i>Use the shutter button to start and stop recording.</i> <ul style="list-style-type: none"><li>• In focus mode <b>S</b> (AF-S), you can refocus at any time by tapping your subject in the display.</li><li>• In focus mode <b>C</b> (AF-C), the camera will continuously adjust focus for changes in the distance to the subject at point selected by tapping the display.</li><li>• In manual focus mode (MF), the camera will focus using auto-focus when you tap the display; during recording, you can tap the display again to move the focus area to a new location.</li></ul>
 <b>AREA</b>	Tap to position the focus area. <i>Use the shutter button to start and stop recording.</i> <ul style="list-style-type: none"><li>• In focus mode <b>S</b> (AF-S), you can reposition the focus area at any time by tapping your subject in the display. To focus, use the button to which <b>AF-ON</b> is assigned.</li><li>• In focus mode <b>C</b> (AF-C), the camera will continuously adjust focus for changes in the distance to the subject at point selected by tapping the display.</li><li>• In manual focus mode (MF), you can tap the display to position the focus area over your subject.</li></ul>
 <b>OFF</b>	Touch focus and shooting disabled.

 To disable touch controls and hide the touch screen mode indicator, select **OFF** for  **BUTTON/DIAL SETTING** > **TOUCH SCREEN SETTING** >  **TOUCH SCREEN SETTING**. Choosing **ON** automatically sets  **MOVIE SETTING** > **MOVIE AF MODE** set to **AREA**, even if **MULTI** is currently selected.

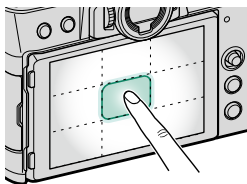


### Touch Controls for Focus Zoom

Different touch controls are used during focus zoom (focus check enabled).

#### Central Area

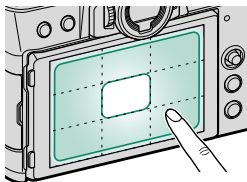
Tapping the center of the display performs the operations below.



Mode	Still Photography	Movie Recording
TOUCH SHOOTING	AF-S/MF: Take a picture	AF-S: AF
		MF: Instant AF
AF	AF-S: AF	AF-S: AF
	MF: Instant AF	MF: Instant AF
AREA	AF-S: AF	AF-S: AF
	MF: Instant AF	MF: Instant AF
OFF	AF-S/MF: OFF	AF-S/MF: OFF


#### Other Areas


Tapping other areas simply scrolls the display, whether during still photography or movie recording and regardless of the option selected for touch screen mode.



## SHOOTING SETTING

Adjust shooting options.













To display shooting options, press **MENU/OK** in the shooting display and select the  (**SHOOTING SETTING**) tab.




 The options available vary with the shooting mode selected.





### SCENE POSITION

Scene selection is available when the auto mode selector is rotated to **AUTO**.


















Mode	Description
 <b>ADVANCED SR AUTO</b>	The camera automatically optimizes settings to suit the scene.
 <b>PORTRAIT</b>	Choose for portraits.
 <b>PORTRAIT ENHANCER</b>	Processes portraits to give the subject a smooth, natural-looking complexion.
 <b>LANDSCAPE</b>	Choose for daylight shots of buildings and landscapes.
 <b>SPORT</b>	Choose when photographing moving subjects.
 <b>NIGHT</b>	Choose for poorly lit twilight or night scenes.
 <b>NIGHT (TRIPOD)</b>	Choose this mode for slow shutter speeds when shooting at night.
 <b>FIREWORKS</b>	Slow shutter speeds are used to capture the expanding burst of light from a firework.
 <b>SUNSET</b>	Choose this mode to record the vivid colors in sunrises and sunsets.
 <b>SNOW</b>	Choose for crisp, clear shots that capture the brightness of scenes dominated by shining white snow.
 <b>BEACH</b>	Choose for crisp, clear shots that capture the brightness of sunlit beaches.
 <b>UNDERWATER</b>	Reduces the blue cast typically associated with underwater lighting.

Mode	Description
 <b>PARTY</b>	Capture indoor background lighting under low-light conditions.
 <b>FLOWER</b>	Effective for taking more vivid shots of flowers.
 <b>TEXT</b>	Take clear pictures of text or drawings in print.

-  Scene selection is available only when the drive dial is set to **S**, **CH** (high-speed burst), **CL** (low-speed burst), or  (movie).
- Scene selection is not available when **4K** is selected for movie mode.









## DRIVE SETTING

Adjust settings for the various drive modes.

Option	Description						
<b>BKT1 SETTING</b>	Choose the settings used when the drive dial is rotated to <b>BKT1</b> or <b>BKT2</b> (  128).						
<b>BKT2 SETTING</b>							
<b>CH HIGH SPEED BURST</b>	Select the frame rate used when the drive dial is rotated to <b>CH</b> (high-speed burst). The display frame rate when the electronic shutter is used is 40 fps, or 60 fps in 1.25× crop mode.						
	<b>Options</b>						
	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><b>30fps(1.25X CROP)</b>  *</td> <td style="text-align: center;"><b>20fps(1.25X CROP)</b>  *</td> </tr> <tr> <td style="text-align: center;"><b>10fps(1.25X CROP)</b>  *</td> <td style="text-align: center;"><b>20fps</b> </td> </tr> <tr> <td style="text-align: center;"><b>10fps</b>  *</td> <td style="text-align: center;"><b>8.0fps</b></td> </tr> </table>	<b>30fps(1.25X CROP)</b>  *	<b>20fps(1.25X CROP)</b>  *	<b>10fps(1.25X CROP)</b>  *	<b>20fps</b> 	<b>10fps</b>  *	<b>8.0fps</b>
	<b>30fps(1.25X CROP)</b>  *	<b>20fps(1.25X CROP)</b>  *					
<b>10fps(1.25X CROP)</b>  *	<b>20fps</b> 						
<b>10fps</b>  *	<b>8.0fps</b>						
* Available with electronic shutter only.							
<b>CL LOW SPEED BURST</b>	Select the frame rate used when the drive dial is rotated to <b>CL</b> (low-speed burst).						
	<b>Options</b>						
	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><b>5.0fps</b></td> <td style="text-align: center;"><b>4.0fps</b></td> <td style="text-align: center;"><b>3.0fps</b></td> </tr> </table>	<b>5.0fps</b>	<b>4.0fps</b>	<b>3.0fps</b>			
<b>5.0fps</b>	<b>4.0fps</b>	<b>3.0fps</b>					
<b>Adv. FILTER 1 SELECT</b>	Choose the filter used when the drive dial is rotated to <b>Adv. 1</b> or <b>Adv. 2</b> (  88).						
<b>Adv. FILTER 2 SELECT</b>							

## BKT1 SETTING/BKT2 SETTING

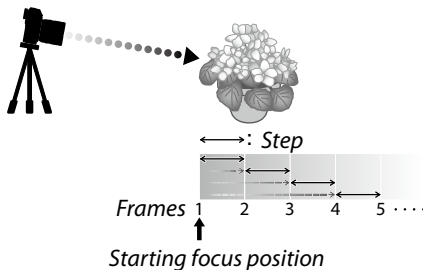
Choose bracketing settings for the **BKT1** and **BKT2** positions on the drive dial.

Option	Description		
<b>BKT SELECT</b>	The following options are available when the drive dial is rotated to <b>BKT1</b> or <b>BKT2</b> .		
	<b>Bracketing type</b>		
	 <b>AE BKT</b>		
	 <b>ISO BKT</b>		
	 <b>FILM SIMULATION BKT</b>		
	 <b>WHITE BALANCE BKT</b>		
	 <b>DYNAMIC RANGE BKT</b>		
 <b>FOCUS BKT</b>			
<b>AE BKT</b>	The following options are available when  <b>AE BKT</b> is chosen for <b>BKT SELECT</b> .		
	<b>Option</b> <b>Description</b>		
	<b>FRAMES/STEP SETTING</b>	Choose the number of shots in the bracketing sequence and the amount exposure is varied with each shot. <ul style="list-style-type: none"> <li>• <b>FRAMES</b>: Choose the number of shots in the bracketing sequence.</li> <li>• <b>STEP</b>: Choose the amount exposure is varied with each shot.</li> </ul>	
	<b>1 FRAME/CONTINUOUS</b>	<ul style="list-style-type: none"> <li>• <b>1 FRAME</b>: The shots in the bracketing sequence are taken one at a time.</li> <li>• <b>CONTINUOUS</b>: The shots in the bracketing sequence are taken in a single burst.</li> </ul>	
<b>SEQUENCE SETTING</b>	Choose the order in which the shots are taken.		
<b>ISO BKT</b>	The following options are available when  <b>ISO BKT</b> is chosen for <b>BKT SELECT</b> .		
	<b>Options</b>		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;"><math>\pm\frac{1}{3}</math></td> <td style="width: 33%; text-align: center;"><math>\pm\frac{2}{3}</math></td> <td style="width: 33%; text-align: center;"><math>\pm 1</math></td> </tr> </table>	$\pm\frac{1}{3}$	$\pm\frac{2}{3}$
$\pm\frac{1}{3}$	$\pm\frac{2}{3}$	$\pm 1$	

Option	Description								
<b>FILM SIMULATION BKT</b>	Choose the three film simulation types used for film simulation bracketing (📖 100).								
<b>WHITE BALANCE BKT</b>	The following options are available when <b>WB  WHITE BALANCE BKT</b> is chosen for <b>BKT SELECT</b> .								
	<table border="1"> <thead> <tr> <th colspan="3">Options</th> </tr> </thead> <tbody> <tr> <td><math>\pm 1</math></td> <td><math>\pm 2</math></td> <td><math>\pm 3</math></td> </tr> </tbody> </table>	Options			$\pm 1$	$\pm 2$	$\pm 3$		
Options									
$\pm 1$	$\pm 2$	$\pm 3$							
<b>FOCUS BKT</b>	The following options are available when <b>FOCUS  FOCUS BKT</b> is chosen for <b>BKT SELECT</b> .								
	<table border="1"> <thead> <tr> <th>Option</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>FRAMES</b></td> <td>Choose the number of shots.</td> </tr> <tr> <td><b>STEP</b></td> <td>Choose the amount focus changes with each shot.</td> </tr> <tr> <td><b>INTERVAL</b></td> <td>Choose the interval between shots.</td> </tr> </tbody> </table>	Option	Description	<b>FRAMES</b>	Choose the number of shots.	<b>STEP</b>	Choose the amount focus changes with each shot.	<b>INTERVAL</b>	Choose the interval between shots.
	Option	Description							
	<b>FRAMES</b>	Choose the number of shots.							
<b>STEP</b>	Choose the amount focus changes with each shot.								
<b>INTERVAL</b>	Choose the interval between shots.								
	<ul style="list-style-type: none"> <li>Do not adjust zoom during shooting.</li> <li>The built-in flash will not fire.</li> </ul>								

### Focus and FRAMES/STEP

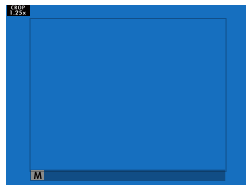
The relation between focus and the options chosen for **FRAMES** and **STEP** is shown in the illustration.



- Focus proceeds from the starting position toward infinity.
- Small **STEP** values translate to small changes in focus, larger values to larger changes.
- Regardless of the option chosen for **FRAMES**, shooting ends when focus reaches infinity.

## SPORTS FINDER MODE

Take pictures using the crop in the center of the display. Choose this option for pictures of athletes, birds, and other moving subjects.



Option	Description
<b>ON</b>	Pictures are taken using a 1.25× crop, reducing the picture angle by an amount equivalent to increasing lens focal length by 1.25×; the crop is shown by a frame in the display.
<b>OFF</b>	The 1.25× crop is disabled.

- The **IMAGE QUALITY SETTING > IMAGE SIZE** item in the shooting menu is fixed at **M**.
- The sports finder is not available in modes that offer an electronic shutter.

## PRE-SHOT ES



To reduce the lag between your pressing the shutter button all the way down and the resulting picture being recorded to the memory card, the camera starts shooting with the electronic shutter when the shutter button is pressed halfway and saves a series shots starting just before the shutter button is pressed the rest of the way down.

Options	
<b>ON</b>	<b>OFF</b>

- Pre-shot photography is available only when **ES ELECTRONIC SHUTTER** is selected in **CH** (high speed burst) drive mode.


## SELF-TIMER

Choose a shutter release delay.

Option	Description
 <b>2 SEC</b>	The shutter is released two seconds after the shutter button is pressed. Use to reduce blur caused by the camera moving when the shutter button is pressed. The self-timer lamp blinks as the timer counts down.
 <b>10 SEC</b>	The shutter is released ten seconds after the shutter button is pressed. Use for photographs in which you wish to appear yourself. The self-timer lamp blinks immediately before the picture is taken.
<b>OFF</b>	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 shows the number of seconds remaining until the shutter is released. To stop the timer before the picture is taken, press **DISP/BACK**.

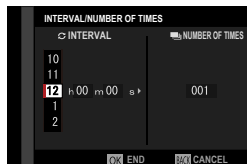


-  Stand behind the camera when using the shutter button. Standing in front of the lens can interfere with focus and exposure.
- The self-timer turns off automatically when the camera is turned off.

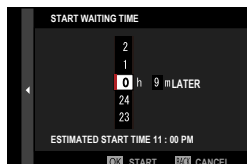
## INTERVAL TIMER SHOOTING

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

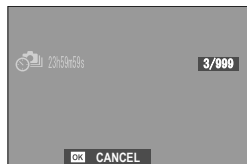
- 1 Highlight **INTERVAL TIMER SHOOTING** in the  (**SHOOTING SETTING**) tab and press **MENU/OK**.





- 2 Use the focus stick (focus lever) to choose the interval and number of shots. Press **MENU/OK** to proceed.



- 3 Use the focus stick to choose the starting time and then press **MENU/OK**. Shooting will start automatically.



 Interval timer photography cannot 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.
- We recommend using an [AC-5VG AC power adapter](#).
- 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  $\infty$ .



## 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
 (multi)	The camera instantly determines exposure based on an analysis of composition, color, and brightness distribution. 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. Recommended 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. Provides 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
<b>MS MECHANICAL SHUTTER</b>	Take pictures with the mechanical shutter.
<b>ES ELECTRONIC SHUTTER</b>	Take pictures with the electronic shutter.
<b>M+E MECHANICAL + ELECTRONIC</b>	The camera chooses the mechanical or electronic shutter according to shooting conditions.


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

-  When using the electronic shutter, note the following:
- Distortion may be visible in shots of moving subjects.
  - Distortion may also be visible in hand-held shots taken at high shutter speeds; use of a tripod is recommended.
  - Banding and fog may occur in shots taken under fluorescent lights or other flickering or erratic illumination.
  - When taking pictures with the shutter muted ( 191), respect your subjects' image rights and right to privacy.

-  The following restrictions apply when the electronic shutter is used:
- Sensitivity is restricted to values of ISO 12800–160
  - Long exposure noise reduction has no effect
  - The flash cannot be used





## FLICKER REDUCTION


Select **ON** to reduce flicker in pictures and the display when shooting under fluorescent lighting and other similar light sources.

Options	
ON	OFF
 <ul style="list-style-type: none"> <li>Enabling flicker reduction disables the electronic shutter and increases the time needed to record pictures.</li> <li>Flicker reduction is not available during movie recording.</li> </ul>	

## IS MODE

Choose from the following image stabilization options:

Option	Description
 <b>CONTINUOUS + MOTION</b>	Image stabilization on. If <b>+ MOTION</b> is selected, the camera will adjust shutter speed to reduce motion blur when a moving objects are detected.
 <b>CONTINUOUS</b>	
 <b>SHOOTING + MOTION</b>	As above, except that image stabilization is performed only when the shutter button is pressed halfway (focus mode <b>C</b> only) or the shutter is released. If <b>+ MOTION</b> is selected, the camera will adjust shutter speed to reduce motion blur when a moving objects are detected.
 <b>SHOOTING ONLY</b>	
<b>OFF</b>	Image stabilization off. Choose this option when using a tripod.

-  **+ MOTION** has no effect when sensitivity is set to a fixed value, and may also be unavailable at some other combinations of settings. The effect may vary with lighting conditions and the speed at which the object is moving.
- This option is available only with lenses that support image stabilization.

## Adjust the camera's sensitivity to light.

Option	Description
<b>AUTO1</b> <b>AUTO2</b> <b>AUTO3</b>	Sensitivity is automatically adjusted in response to shooting conditions.
<b>12800–160</b>	Adjust sensitivity manually. Selected value is shown in display.
<b>H (51200)</b> <b>H (25600)</b> <b>L (125)</b> <b>L (100)</b> <b>L (80)</b>	Choose for special situations. Note that mottling may appear in pictures taken at <b>H</b> , while <b>L</b> 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.

Option	Default		
	AUTO1	AUTO2	AUTO3
<b>DEFAULT SENSITIVITY</b>	160		
<b>MAX. SENSITIVITY</b>	800	1600	3200
<b>MIN. SHUTTER SPEED</b>	AUTO		

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**.

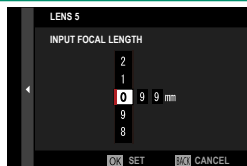
-  If the value selected for **DEFAULT SENSITIVITY** is higher than that selected for **MAX. SENSITIVITY**, **DEFAULT SENSITIVITY** will be set to the value selected for **MAX. SENSITIVITY**.
- The camera may select shutter speeds slower than **MIN. SHUTTER SPEED** if pictures would still be underexposed 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  $\frac{1}{50}$  s). The minimum shutter speed is not affected by the option selected for image stabilization.

## MOUNT ADAPTER SETTING

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

### Choosing a Focal Length

Choose a lens number from **LENS 1** through **LENS 6** and enter the lens' true focal length.



### Distortion Correction

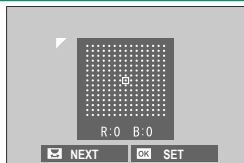
Choose from **STRONG**, **MEDIUM**, or **WEAK** options to correct **BARREL** or **PINCUSHION** distortion.




## 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.

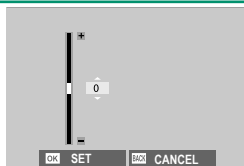



- 1 Rotate the rear command dial to choose a corner. The selected corner is indicated by a triangle.
- 2 Use the focus stick (focus lever) to adjust shading until there is no visible difference in color between the selected corner and the center of the image.
  - Press the focus stick left or right to adjust colors on the cyan–red axis.
  - Press the focus stick 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.

## 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 latest version of the FUJIFILM Camera Remote app. The smartphone can then be used to:

- Control the camera and take pictures remotely
- Receive pictures uploaded from the camera
- Browse the pictures on the camera and download selected pictures
- Upload location data to the camera




For downloads and other information, visit:


[http://app.fujifilm-dsc.com/en/camera\\_remote/](http://app.fujifilm-dsc.com/en/camera_remote/)

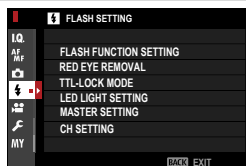


## FLASH SETTING

Adjust flash-related settings.


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

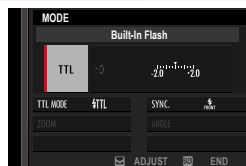
 The options available vary with the shooting mode selected.



## 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.


 For more information on flash settings, see “External Flash Units” (📖 234) in “Peripherals and Optional Accessories”.



## RED EYE REMOVAL

Remove red-eye effects caused by the flash.

Option	Description
<b>FLASH+REMOVAL</b>	A red-eye reduction pre-flash is combined with digital red-eye removal.
<b>FLASH</b>	Flash red-eye reduction only.
<b>REMOVAL</b>	Digital red-eye removal only.
<b>OFF</b>	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.
- Digital red-eye removal 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
<b>LOCK WITH LAST FLASH</b>	Flash output is locked at the value metered for the most recent photo.
<b>LOCK WITH METERING FLASH</b>	The camera emits a series of pre-flashes and 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 (📖 230).
- Flash compensation can be adjusted while TTL lock is in effect.
- Selecting **LOCK WITH LAST FLASH** displays an error message if no previously metered value exists.

## 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
<b>CATCHLIGHT</b>	Catchlight
<b>AF ASSIST</b>	AF-assist illuminator
<b>AF ASSIST+CATCHLIGHT</b>	AF-assist illuminator and catchlight
<b>OFF</b>	None

- In some cases, this option can also be accessed via the **FLASH FUNCTION SETTING** 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



In some cases, this option can also be accessed via the **FLASH FUNCTION SETTING** menu.

## 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

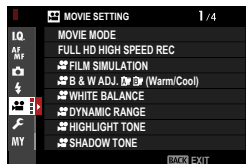


## MOVIE SETTING

Adjust movie-recording options.

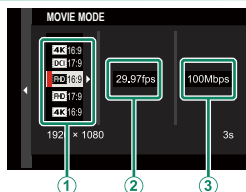
To display options for movie recording, press **MENU/OK** in the shooting display and select the **MOVIE SETTING** tab.

The options available vary with the shooting mode selected.



## MOVIE MODE

Before shooting movies, choose the frame rate, bit rate, and frame size and aspect ratio.




- 1 In the shooting menu, select **MOVIE SETTING**, then highlight **MOVIE MODE** and press **MENU/OK**.
- 2 Press the focus stick (focus lever) up or down to highlight the desired frame size and aspect ratio (1) and press the stick right.
  - Choose **4K 16:9** or **DCI 17:9** for 4K movies with aspect ratios of 16 or 17 to 9.
  - Choose **FHD 16:9** or **FHD 17:9** for Full HD movies with aspect ratios of 16 or 17 to 9.

- 3 Press the focus stick (focus lever) up or down to highlight a frame rate (2) and press the stick right.

Options					
59.94P	50P	29.97P	25P	24P	23.98P













- 4 Press the focus stick up or down to highlight a bit rate (3) and press MENU/OK.


Options		
200Mbps	100Mbps	50Mbps

 The choice of frame and bit rates varies with the movie mode.

## ULL HD HIGH SPEED REC











Record high-frame-rate Full HD movies. High-frame-rate movies can be played back in slow motion, giving you time to view fast-moving subjects or details too fleeting for the naked eye.

Option	Description
2x  59.94P  120P	Record Full HD footage at frame rates of 120 or 100 fps. The movies play back at 1/2, 1/4, or 1/5 speed. Maximum recording length is 6 minutes. The footage recorded to the memory card is compressed with the goal of keeping the amount of data recorded to 200 Mb per second.
2x  50P  100P	
4x  29.97P  120P	
4x  25P  100P	
5x  24P  120P	
5x  23.98P  120P	
OFF	High-speed recording off.



 High-speed movies are recorded with no sound.

## FILM SIMULATION

Choose a film simulation effect for movie recording.

Option	Description
 <b>PROVIA/STANDARD</b>	See "FILM SIMULATION" (📖 100).
 <b>Velvia/VIVID</b>	
 <b>ASTIA/SOFT</b>	
 <b>CLASSIC CHROME</b>	
 <b>PRO Neg. Hi</b>	
 <b>PRO Neg. Std</b>	
 <b>ETERNA/CINEMA</b>	
 <b>ACROS</b>	
 <b>MONOCHROME</b>	
 <b>SEPIA</b>	












## B & W ADJ. (Warm/Cool)

Add a reddish or bluish tinge (warm or cool color cast) to monochrome pictures taken with the  **ACROS** or  **MONOCHROME** film simulation.

Option	Description
<b>+9 — +1</b>	Higher positive values equate to a redder color cast.
<b>0</b>	Normal monochrome (grayscale).
<b>-1 — -9</b>	Lower negative values equate to a bluer color cast.




## WHITE BALANCE







Adjust white balance for movie recording.

Option	Description
<b>AUTO</b>	See "WHITE BALANCE" (📖 102).
 1/  2/  3	
	
	
	
	
	
	
	
	

## DYNAMIC RANGE

Choose a dynamic range for movie recording.

Option	Description
 100 <b>100%</b>	See "DYNAMIC RANGE" (📖 104).
 200 <b>200%</b>	
 400 <b>400%</b>	

-  Auto dynamic range adjustment (**AUTO**) is not supported.
- 200 **200%** is available at sensitivities of from ISO 320 to ISO 12800, 400 **400%** at sensitivities of from ISO 640 to 12800.
- The  **MOVIE SETTING** >  **DYNAMIC RANGE** option is available when **OFF** is selected for  **MOVIE SETTING** > **F-Log RECORDING**.

## HIGHLIGHT TONE

Choose how the camera records highlights when shooting movies.

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

## SHADOW TONE

Choose how the camera records shadows when shooting movies.

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

## COLOR

Adjust color density for movie recording.

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



**SHARPNESS**

Sharpen or soften outlines in movies.

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

**NOISE REDUCTION**

Reduce noise in movies shot at high sensitivities.

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

**4K INTERFRAME NR**

Select **ON** to enable interframe noise reduction.

Options	
<b>ON</b>	<b>OFF</b>

- **OFF** is selected automatically at frames size other than **4K** or when a frame size of **4K** is combined with a frame rate of **59.94P** or **50P**.
- "Ghosting" may occur with moving subjects or if the camera is moved during shooting.


**F-Log RECORDING**

Select **ON** to record movies using a soft gamma curve with a wide gamut suitable for further processing post-production. Sensitivity is restricted to values between ISO 640 and 12800.

Options	
<b>ON</b>	<b>OFF</b>

## PERIPHERAL LIGHT CORRECTION

Select **ON** to enable peripheral illumination correction during movie recording.

Options	
ON	OFF
	<ul style="list-style-type: none"><li>If <b>ON</b> is selected when a lens that does not transmit data to the camera is attached using a FUJIFILM M MOUNT ADAPTER (available separately), peripheral illumination will be adjusted according to the option selected for <b>SHOOTING SETTING &gt; MOUNT ADAPTER SETTING &gt; PERIPHERAL ILLUMINATION CORRECTION</b> in the shooting menu (📖 139).</li><li>Select <b>OFF</b> if you notice banding in movies recorded using this option.</li></ul>

## FOCUS AREA

Choose the focus area for movies shot using autofocus. You can also choose the focus area (and consequently also the focus zoom position) for movies shot using manual focus.

## MOVIE AF MODE

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

Option	Description
<b>MULTI</b>	Automatic focus-point selection.
<b>AREA</b>	The camera focuses on the subject in the selected focus area.