Description of Controls

Viewfinder Window

Bright Line Frame Illumination Window

Rangefinder Window

Exposure Compensation Index

Dial Lock Release Button

Shutter Speed Dial

ISO/Filmspeed Dial

Exposure Compensation Dial

Power Switch

Synchro Contact

Filter Mounting Screw

Neck Strap Eyelets

Depth of Field Index

Focusing Ring

Lens

Aperture Ring

Hot Shoe Contact/
Accessory Shoe

Frame Counter

Shutter Release Button

Cable Release Screwthread

Rangefinder Eyepiece

Film Advance Dial

Shutter Opening Indicator

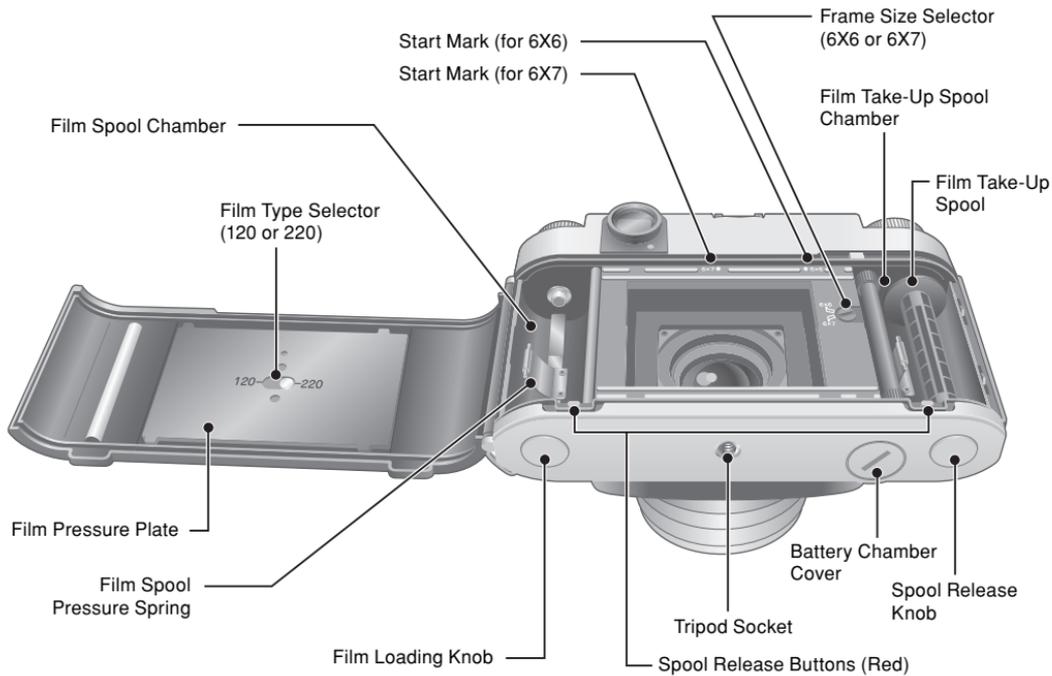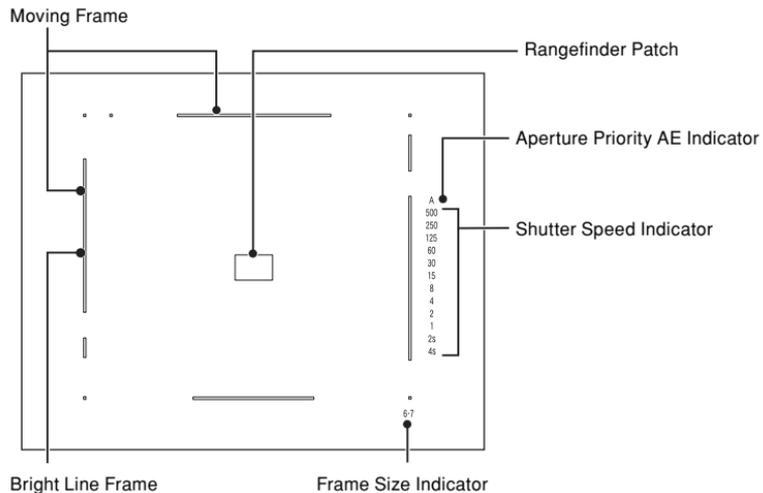Back Door Lock Lever

Film Indicator Slot

Film Type Indicator Window

220

Description of Controls

Start Mark (for 6X6)

Start Mark (for 6X7)

Frame Size Selector
(6X6 or 6X7)

Film Take-Up Spool
Chamber

Film Spool Chamber

Film Take-Up
Spool

Film Type Selector
(120 or 220)

120 — 220

Film Pressure Plate

Film Spool
Pressure Spring

Battery Chamber
Cover

Spool Release
Knob

Tripod Socket

Film Loading Knob

Spool Release Buttons (Red)

10

Indicators in Viewfinder

Moving Frame

Rangefinder Patch

Aperture Priority AE Indicator

Shutter Speed Indicator

A
500
250
125
60
30
15
8
4
2
1
2s
4s

6·7

Bright Line Frame

Frame Size Indicator

When all the shutter speed indicators are illuminated, or when none of them light up, low battery power may be a concern.

⚠ When "500" indicator blinks rapidly, it means out of measurment range due to over exposure.
When "4s" indicator blinks rapidly, it means out of measurement range due to under exposure.
Adjust the aperture until the relative shutter speed indicator is illuminated.

11

Attaching Neck Strap
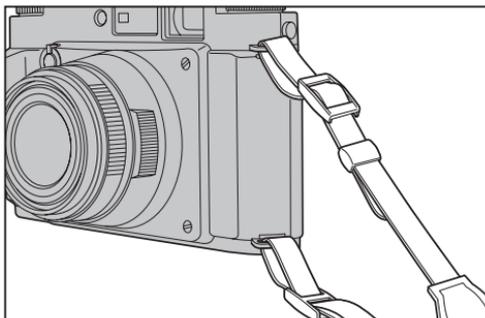
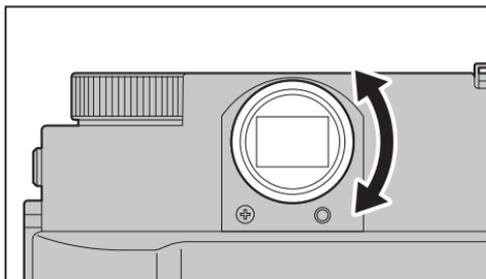

Attach the neck strap to the camera as illustrated.

✻ When using a commercially available strap instead of the supplied one, make sure it is strong enough to use.
✻ Do not use straps designed for cell-phones.
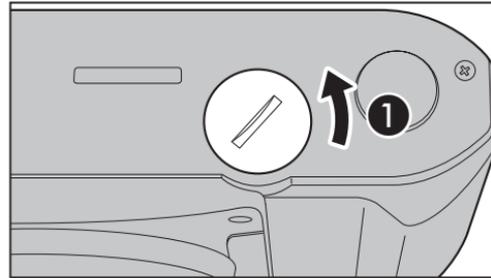
12

Attaching/Removing Finder Eyepiece

Turn the finder eyepiece clockwise to attach it.

Turn it counterclockwise when removing it.

Inserting Battery
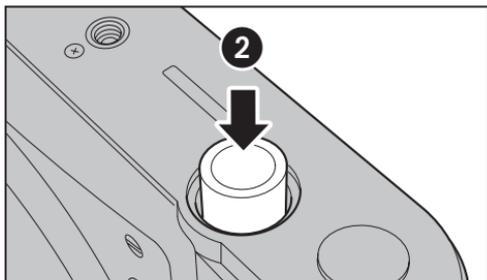
One CR2 (3V) lithium battery is used with this camera.

❶ Turn the battery chamber cover counterclockwise using a coin or something similar.
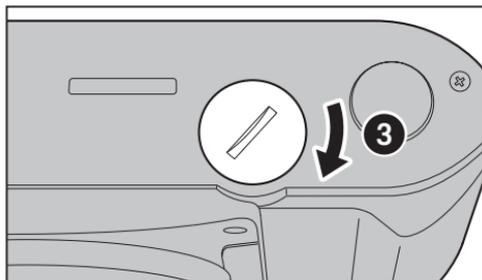
⚠ Battery performance is impaired at low temperatures, and may lead to significantly faster loss of battery power. Prepare a backup battery kept at normal temperature.

14

⚠ Turn the power switch off when replacing the battery.

② Insert the battery positive side ⊕ down into the battery chamber.

③ Turn the battery chamber cover clockwise until it is firmly closed.

○ Battery Check

The battery status may be checked by pressing the shutter release button halfway, and is indicated by the "A" and shutter speed indicators in the viewfinder.

The "A" and/or shutter speed indicators are illuminated or blink according to the exposure setting you selected.	The battery is fine.
The "A" and all shutter speed indicators are illuminated, and then, the indicator(s) start blinking rapidly according to the exposure setting you selected.	The battery is low. Replace the battery.
All indicators are illuminated, or none of indicators are illuminated.	The battery is exhausted. Replace the battery.

15
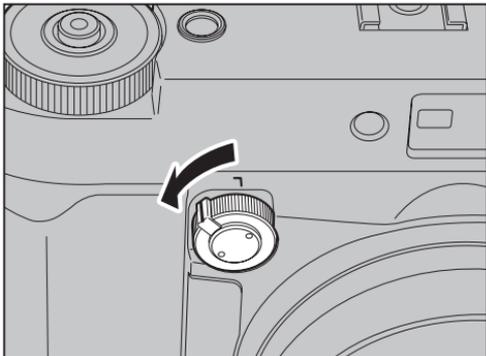
Power switch ON

① Turn the power switch counterclockwise to unlock.

☞ The power will be switched ON, and camera readied to shoot photos.

Power switch OFF
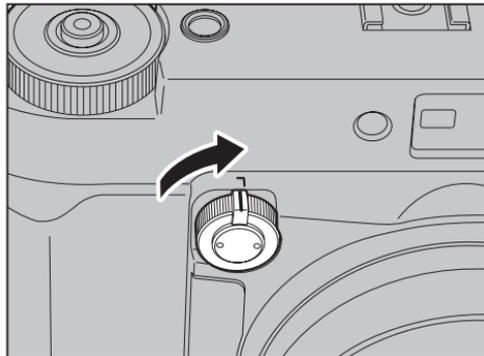
② Turn the power switch clockwise, and align the white line with "L" (Lock).

☞ The power will be switched OFF, and the shutter release button locked.

⚠ If the battery is removed when the shutter is open during a long exposure or in Bulb setting, the shutter will remain open.

⚠ Turn the power switch OFF when replacing the battery.

16

Attaching/Detaching Lens Hood

A lens hood is optional.
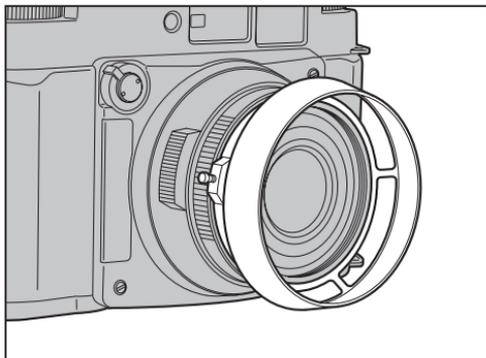
1 Loosen the lens hood mounting screw.
2 Mount the lens hood on the outer ring of the lens.
3 Tighten the lens hood mounting screw to lock the lens hood onto the lens.
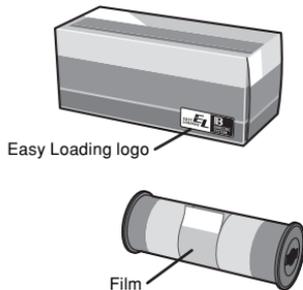
Filters

The filters usable for this camera

Use a 58mm diameter filter
✽ layering of two filters or more will cause vignetting.

Loading Film

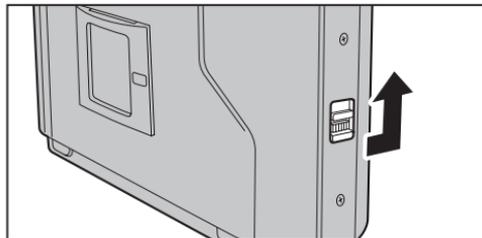## 120/220 film to be used with this camera

Easy Loading logo

Film

O Easy Loading

With the Easy Loading system, you can load film quickly and easily by placing the hole on the film leader on the hook in the spool slot. The Easy Loading system prevents film slack and improper loading.
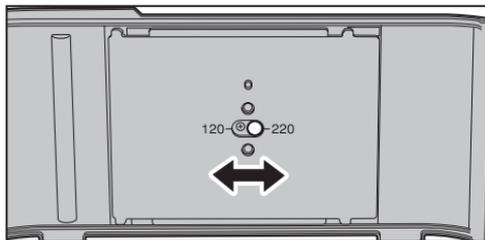
Open/Close of the back door

1. To open the back door, slide the back door lock lever to the front of the camera.

2. Move it upward as indicated by arrow.

3. When closing the back door, close it slowly and gently until the lock clicks.

Setting a film type

While pushing the film pressure plate down gently, slide the film type selector to 120 or 220 according to the film type being used.

☞ The focusing point and frame counter will automatically be adjusted for the selected film type.

You can check the film type from the film type indicator window on the back door.
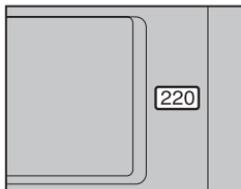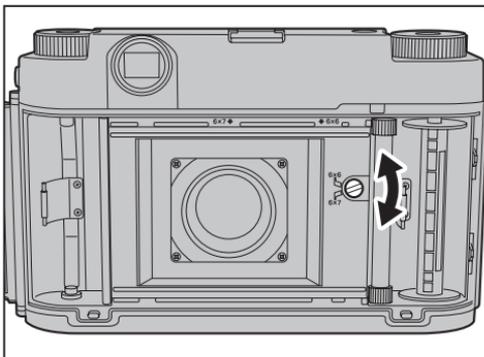

⭕ **Frame Counter**

	120 film	220 film
6X7 cm	10	20
6X6 cm	12	24

If you are using 120 half length film (6 shots at 6X6 cm, 5 shots at 6X7 cm), set the film type selector to 120. However, the frame counter will not work with this setting. After taking the sixth frame (fifth in 6X7 cm), continue to release the shutter and wind the film roll onto the film take-up spool.
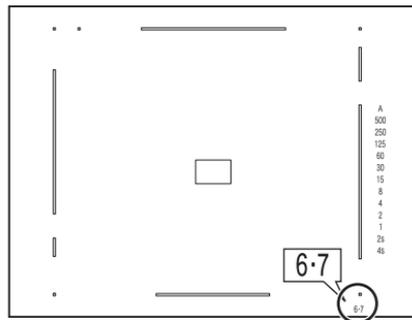
19

Loading Film

Selecting a frame size (6X7 cm, 6X6 cm)

Open the back door and switch the frame size selector to set the desired size by using a coin or something similar.

☞ When you set the 6X6 cm size, masks appear at both sides of the filmgate.
The frame counter and the bright line frame in the viewfinder will change automatically with your film size selection.
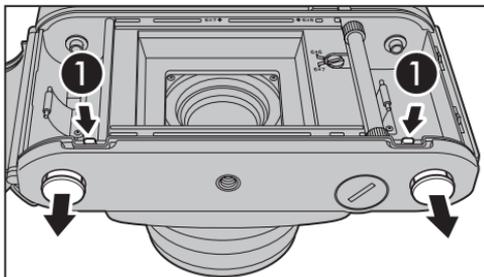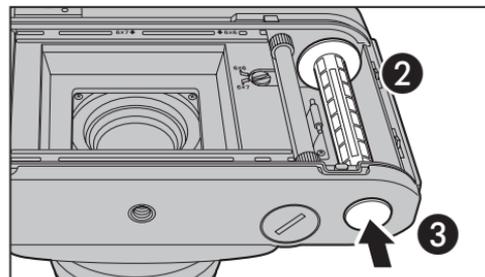
■ **6X7 cm**

20

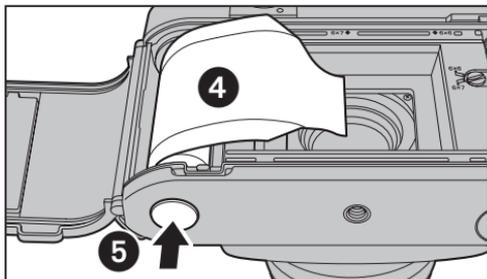■ **6X6 cm**

A
500
250
125
60
30
15
8
4
2
1
2s
4s

6·6

6·6
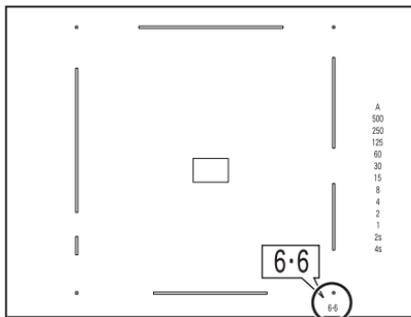
❶ Open the back door and press the spool release buttons (red).

☞ Both knobs at the bottom will pop out.

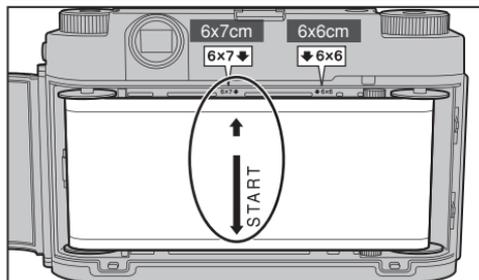❷ Insert an empty film spool into the film take-up spool chamber.

❸ Push the spool release knob back in position.

22

④ Remove the tape on the film, then set the film in the film spool chamber.

⑤ Push the film loading knob back in position.

Alignment with start marks

6x7cm   6x6cm

6×7 ↓   ↓ 6×6

START

Align the start mark on the film leader to the start mark on the camera indicating the frame size.

23

<div style="border:1px dotted">

○ To avoid excessive slack in the film, lightly press the film leader by finger and attach the film leader to the take-up spool. Wind film up firmly.

○ **Start mark of 220 film**

The dotted line on the leader of the 220 film is not for this camera. The line appears before the start mark of this camera.

Do not used the dotted line as a start mark.

</div>

■ **Use of the Fujifilm Easy Loading film**   *EASY LOADING* **EL**

① Hook the small hole (5mm) of the film leader onto the hook in the groove of the spool.

② Confirm that the film leader is firmly attached and held in place, and then wind the film with the film advance dial until the start mark is aligned to the mark on the camera.

■ **Use of other 120-220 films**

① Insert the edge of the film leader into the wide groove of the spool.

② Push the end of the leader into the narrow slit of the take-up spool until it protrudes.

③ Fold the protruding edge of the leader inwards.

④ Wind the film with the film advance dial slowly.
Make sure that the leader is firmly attached, and then wind it up until the start mark is aligned to the mark on the camera.
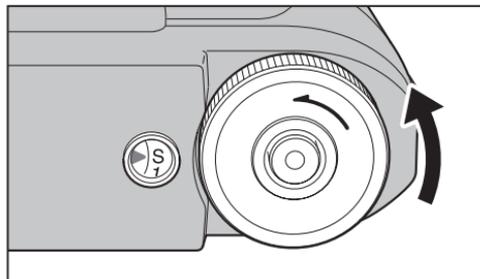
Setting a film speed

1/3 step setting within ISO25-ISO3200 is possible.
Make sure to set a correct film speed for the film in use.
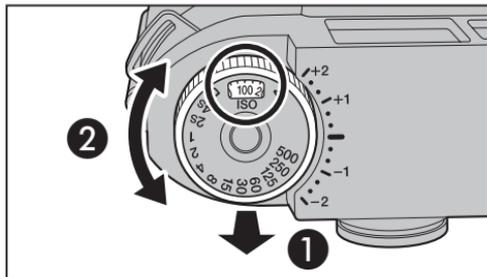
1 Pull up the film speed dial.
2 Turn the dial to set the correct film speed (ISO) value.

Make sure that the dial clicks when selecting the speed, otherwise incorrect exposures may occur.

Winding film to set the first frame

After loading the film and closing the back door, turn the film advance dial until it stops to advance the film.
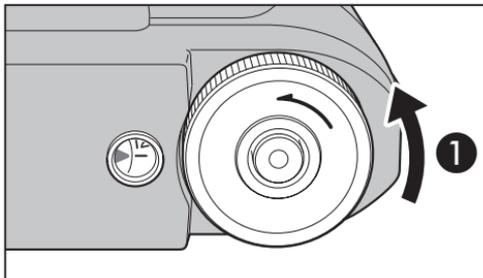
☞ When the frame counter indicates "1", the camera is ready for the first picture.

⚠ Do not release the shutter until the frame counter indicates "1", otherwise double exposure of the first frame may occur.
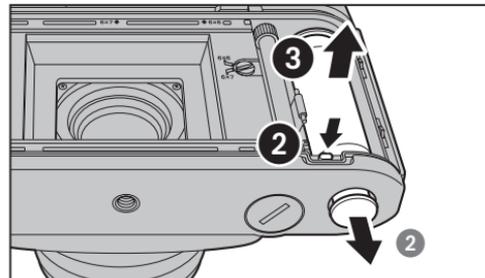
25

English

Unloading film

❶ After finishing up your film, turn the film advance dial until the film is completely on the take-up spool.

☞ When the film leader is released from the film spool in the film spool chamber, the film advance dial will be lighter to turn.

Open the back door.

❷ Press the spool release button at the film take-up chamber.

❸ Take out the film.

26

Take out the spool from the film loading chamber and place it in the film take-up chamber.
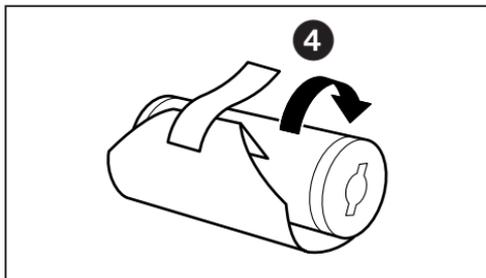
4 Tape the film tightly with the end tape. Make sure the film is not loose on the take-up spool.

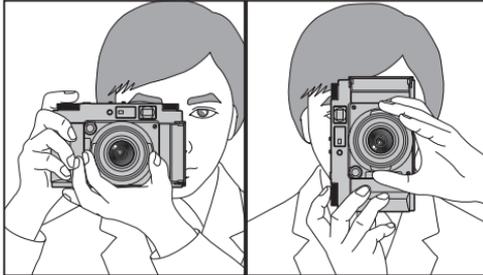The film is wrapped with a protective backing paper, however if the film is loose on the roll, it might be exposed through gaps. Do not leave film in a bright place. Load and unload film in a subdued light. Store it in a dark place or a film shield bag.

27

Holding Camera

Hold the camera with both hands.

⬤ **Focusing Range**
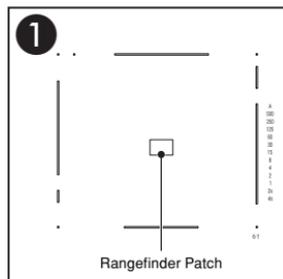0.7m - ∞

⬤ **Viewfinder Frame Coverage**
90% at 3m

⬤ **Field of view in the viewfinder and parallax**

Compose the frame within the bright frame lines in the viewfinder.

☞ The parallax is automatically corrected according to the focusing distance set by the focusing ring on the lens. The subject within the bright frame lines will be in the picture.
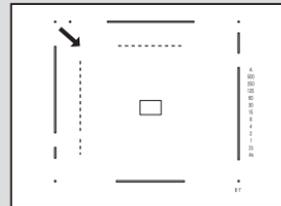
Focusing

Rangefinder Patch

❶ Look through the viewfinder and keep the subject you are focusing on centered in the bright line frame.
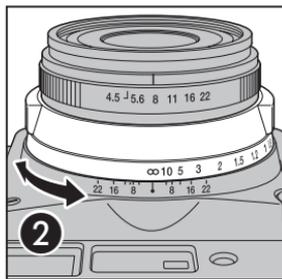
❷ Turn the focusing ring.
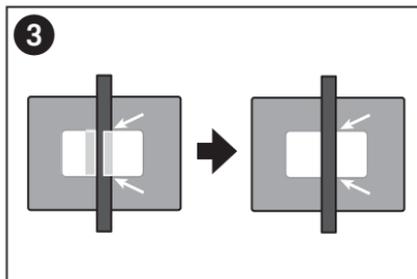
❸ Adjust the lens until the double image in the rangefinder patch converges into one.

⚠ When focusing, keep your eyes center in the viewfinder.

◯ Focusing with IR film

The focusing point of the IR film differs from the one of the normal film. When shooting with IR film, focus on the subject in the viewfinder, and then, adjust the focusing point of the focusing ring to the red mark next to the indication "8" on the depth of field index ring. The focusing will be corrected.

29

Shutter Release and Film Advance

When the frame counter indicates "1" or more, shutter will be released by pressing the shutter release button.

❶ Press the shutter release button.
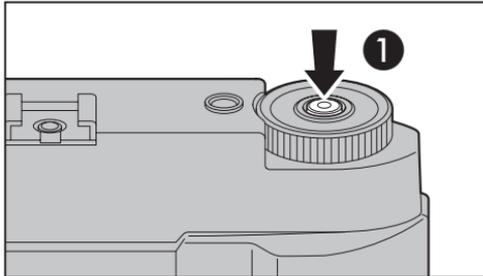
⭕ Shutter opening indicator
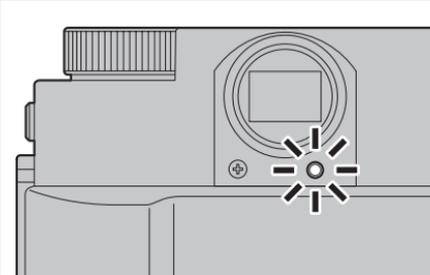
The red light is illuminated when shutter is open.

☞ The start of exposure can be checked while looking into the viewfinder.

⚠ In order to avoid blurred picture, hold the camera tightly and steadily, then press the shutter release button gently.
Use a tripod and cable release when the shutter speed is slower than 1/30 sec.

30
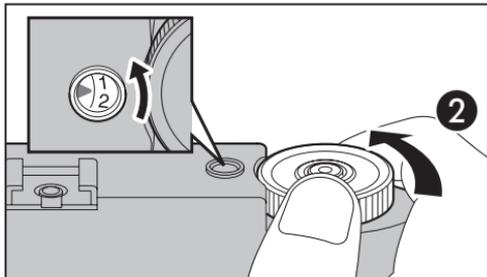
Turn the film advance dial slowly. Rapid turning may cause improper frame advance.

❷ Turn the film advance dial counterclockwise until it stops. Partial stroke may also be operated.

☞ The frame counter indicator shows that film is now advanced to the next frame.

✻ The film advance dial can also be turned clockwise, but will not advance the film.

Exposure Setting

Aperture Priority AE

Aperture Priority Auto Exposure (AE) Mode is available.
The camera will automatically select a proper shutter speed based on the lens aperture value and brightness of the subject.
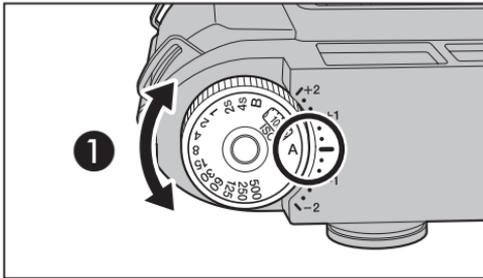
① Set the shutter speed dial to the "A" indication.

☞ When you set the shutter speed dial to the "A" indication, the dial will automatically lock.
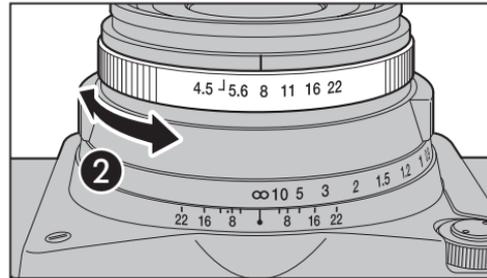
② Turn the aperture ring to select the desired F stop.

☞ There is a half step between each of the F stops.

Set the aperture to a full click stop, otherwise the proper exposure value might not be selected.

○ Indicators in Viewfinder

✷ When the shutter release button is pressed halfway

A —— Lit when the camera is on the Aperture Priority AE mode.

500
250
125
60
30
15
8
4
2
1

The shutter speed indicator's illuminated number shows the selected shutter speed.
✷ Selected proper exposure value is set by the camera.

⚠ When "500" indicator blinks rapidly, it means out of measurement range due to over exposure. When "4s" indicator blinks rapidly, it means out of measurement range due to under exposure.
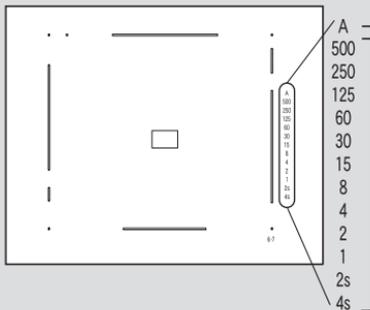Adjust the aperture until the relative shutter speed indicator is illuminated.

2s
4s

⚠ While the shutter release button is pressed halfway, AE will be locked.
While AE is locked, the measured exposure value will be kept.

• LED will be lit in the viewfinder when the shutter release button is pressed halfway.
✷ The LED will turn off after 10 seconds.

33

English

Exposure Setting

Manual Exposure -Setting of Aperture and Shutter Speed-

<Aperture setting>
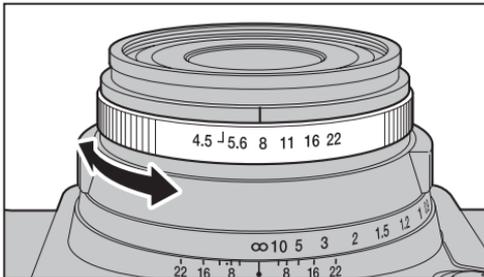
Align the F stop you selected to the index (white line) on the lens.

☞ There is a half step between each of the F stops.

<Shutter speed setting>
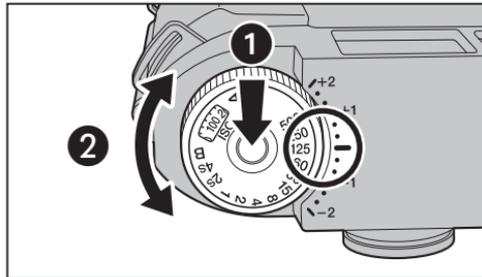
① While pressing the dial lock release button, turn the shutter speed dial from the Auto Mode to the desired speed.

② Align the selected shutter speed indicator with the index mark.

☞ There are click stops on each of the shutter speeds.

Set the shutter speed at each click stop otherwise proper shutter speed may not be set.

English

○ Indicators in Viewfinder

✽ When the shutter release button is pressed halfway
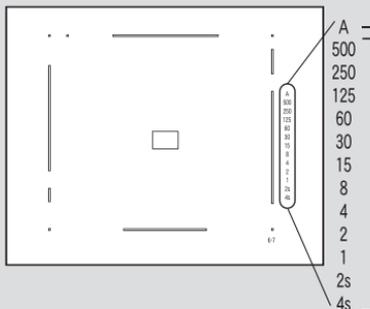
A —— The A mark will not light up or flash during the manual exposure mode.

Shutter speed indicator
The selected shutter speed is illuminated.

✽ When another shutter speed blinks while the selected speed is illuminated, the exposure with the selected speed is incorrect. The correct exposure is achieved with the blinking shutter speed. Readjust shutter speed and/or aperture setting.

⚠ When "500" indicator blinks rapidly, it means out of measurement range due to over exposure.
When "4s" indicator blinks rapidly, it means out of measurement range due to under exposure.
Adjust the aperture until the relative shutter speed indicator is illuminated.

• LED will be lit in the viewfinder when the shutter release button is pressed halfway.
✽ The LED will turn off after 10 seconds.

35

**Exposure Setting**

Exposure Compensation

In the Aperture Priority mode, you can compensate exposure.
The exposure can be adjusted within +/-2 range by 1/3 steps.
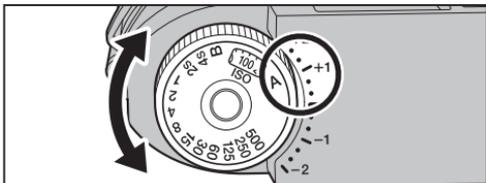
Align the "A" indication on the exposure compensation dial to the desired value.

The exposure compensation is not available when using the camera in the Manual Exposure Mode.

○ **Character of light meter**
This camera has the Center-Weighted-Average-Metering system.

"B" (Bulb) Setting
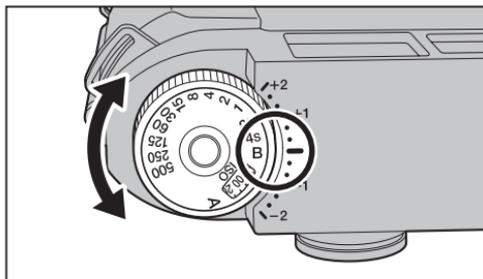
1 Set the shutter speed dial to the "B" indication.

2 Shutter will remain open for as long as the shutter release button is pressed.

During the time the shutter remains open, there is no power-drain on the batteries.

English

Flash Photography

All shutter speeds synchronize with flash.

■ **When using a clip-on type small flash**
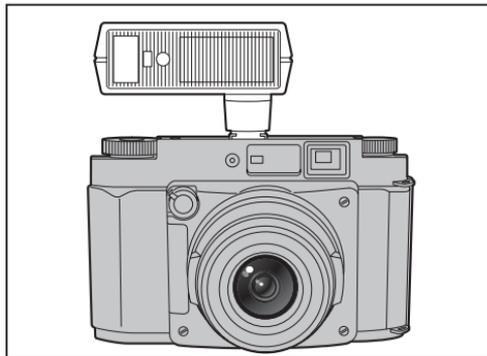
Put the flash unit in the hot shoe contact.

■ **When using a flash without hot shoe contacts**
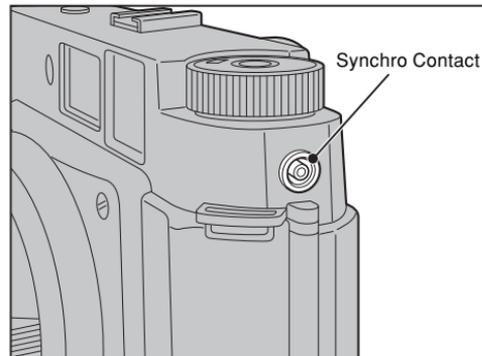
Synchro Contact

Connect a synchronizing cord to the synchro contact.

37

Connecting Cable Release
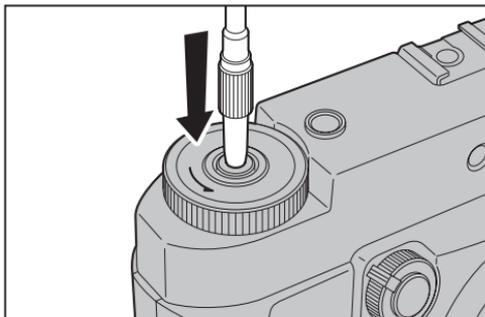
Screw a cable release tip into the threaded hole in the shutter release button.

38

Depth of Field Indicator

When you are focusing on a given subject, objects in the foreground and background may appear out of focus depending on the F stop in use.
For greater depth of field, the lens needs to be stopped down to a higher F stop number. To determine the exact depth of field range at different aperture settings, the depth of field scale on the lens should be used.
For more details, please refer to the depth of field chart.

Permissible circle of confusion : 0.05mm

	0.7m	0.8m	0.9m	1.0m	1.2m	1.5m	2.0m	3.0m	5.0m	10m	∞
F4.5	0.68 - 0.73	0.77 - 0.84	0.86 - 0.95	0.94 - 1.06	1.12 - 1.30	1.37 - 1.67	1.76 - 2.33	2.47 - 3.84	3.65 - 8.04	5.68 - ∞	12.83 - ∞
F5.6	0.67 - 0.73	0.76 - 0.85	0.85 - 0.96	0.93 - 1.08	1.10 - 1.32	1.34 - 1.71	1.71 - 2.41	2.38 - 4.10	3.45 - 9.28	5.19 - ∞	10.56 - ∞
F8	0.66 - 0.75	0.74 - 0.87	0.83 - 0.99	0.91 - 1.12	1.06 - 1.39	1.28 - 1.82	1.62 - 2.65	2.19 - 4.87	3.05 - 14.82	4.32 - ∞	7.43 - ∞
F11	0.64 - 0.77	0.73 - 0.90	0.80 - 1.03	0.88 - 1.17	1.02 - 1.47	1.22 - 1.98	1.51 - 3.03	1.99 - 6.41	2.66 - ∞	3.57 - ∞	5.43 - ∞
F16	0.62 - 0.81	0.70 - 0.95	0.77 - 1.11	0.83 - 1.28	0.96 - 1.65	1.12 - 2.33	1.36 - 3.99	1.73 - 13.72	2.21 - ∞	2.79 - ∞	3.77 - ∞
F22	0.60 - 0.86	0.67 - 1.03	0.73 - 1.22	0.78 - 1.43	0.89 - 1.93	1.03 - 2.98	1.22 - 6.53	1.50 - ∞	1.84 - ∞	2.21 - ∞	2.78 - ∞

English

39

Specifications

Type	6X7 type rangefinder camera
Film format	6X7 and 6X6 by selector switch 6X7 size : 56mm x 69mm, 6x6 size : 56mm x 56mm
Film	120/220 roll film
Frames	6X7 size : 120 - 10 shots, 220 - 20 shots 6X6 size : 120 - 12 shots, 220 - 24 shots
Lens	EBC FUJINON f=55mm 1:4.5 8 groups, 10 elements
Minimum Aperture	F22
Angle of view	6X7 size : 77°, 6X6 size : 72°
Focusing	Manually controled helicoid
Range	0.7m - ∞
Finder	Coincidence type rangefinder with bright frame
Macro ratio	x 0.52
Base Length	37.2mm (effective base length - 19.3mm) Automatic parallax correction
Viewfinder Frame coverage	90% at 3m
Diopter correction	Correction with an eyepiece diopter lens (using a 19mm thread)
Indicators in viewfinder	LED Exposure indication (A and Shutter speed) ✽ At the Aperture Priority Auto Mode: 　A and the shutter speed indicator, which shows the correct speed, are lit. ✽ At the Manual exposure mode: 　The shutter speed indicator is lit when the exposure for the selected speed is correct. 　The shutter speed indicating other than the selected one blinks when the exposure is incorrect. ✽ When the exposure is out of range, either "500" or "4s" blinks. ✽ Battery consumption warning : Indicator blinks rapidly.

40

Shutter opening indicator	LED light underneath the rangefinder eyepiece
Shutter	Electronically controled lens shutter
Shutter speed	B. 4s - 1/500sec.
Flash terminal	X synchronic contact and hot shoe synchronized with all shutter speed setting.
Exposure control	Center weighted average metering
Coupling range	EV1.3-18 (ISO 100)
Exposure Mode	The Aperture Priority Auto exposure, Manual exposure AE lock : available by pressing shutter release button halfway
Exposure compensation	+/-2 by 1/3 steps
Film Speed	Manual : ISO25-3200 (by 1/3 steps)
Film Loading	Manual
Film winding	By the film advance dial Advancing angle : Minimum 238°, Maximum 442°
Film counter	Additive type with auto reset. Automatically switches to 120 or 220 type according to the film type indicated on the film pressure plate.
Battery	x1 CR2 Lithium battery
Others	Tripod socket, Cable shutter release screwthread, Film indicator pocket
Size	178mm(W) x 109mm(H) x 89mm(D)
Weight	1,100g (without battery)

✽ The specifications and external appearance are subject to change without prior notice for the purpose of improvements.