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SAMOCA

SAMOCA CAMERA CO., LTD.

Printed in Japan

# Samoca M

## MANUAL

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## SAMOCA M-35 (M-28) PARTS

1 Film transport lever
2 Exposure counter
3 Shutter set signal
4 Shutter release button with screw socket for cable release or self-timer
5 Bright frame view and range finder window
6 Accessory shoe
7 Film indicator
8 Rewind handle
9 Film rewind knob

10 Eyelets for neck strap
11 Focusing lever
12 Flash terminal
13 Synchro select lever
14 Shutter speed ring
15 Shutter speed scale
16 Aperture scale
17 Aperture ring
18 Distance scale
19 Depth of field scale
20 Camera back block
21 Camera back

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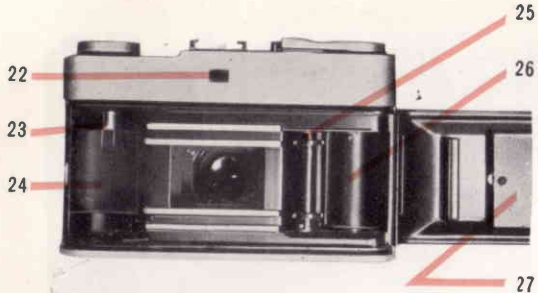


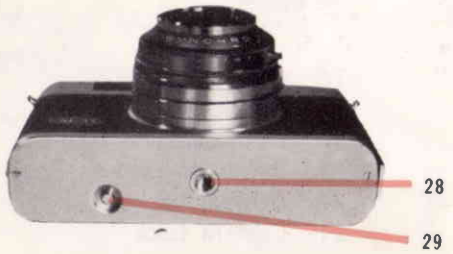


22 Finder eyepiece
23 Film rewind shaft
24 Film cartridge chamber
25 Film transport sprocket
26 Take-up spool
27 Film pressure plate
28 Tripod socket
29 Film rewind button

## GENERAL FUNCTIONS OF THE SAMOCA M-35 (M-28)

Before loading with a film or testing the shutter, it is advisable to know something of the workings of this camera.

### COUPLED FILM ADVANCE AND SHUTTER COCKING

Turning the film transport lever (1) twice until it stops automatically, advances the film and cocks the shutter. Once the shutter is released, the shutter release button (4) cannot be depressed until the transport lever is again turned to the next stop. In this way, double exposures are positively prevented.

### SHUTTER SPEED AND APERTURE CONTROLS

SAMOCA synchro shutter has 8 different shutter speeds, from 1 sec. up to 1/300 sec. and "B" action. "B" is used for long time exposure, when you set the dial at "B", the shutter will stay open as long as you push the shutter release button (4).

To set the shutter at the desired speed, the shutter speed ring (14) is turned to the appropriate dial-setting. Adjust the aperture by turning the aperture ring (17) to the desired mark.

### COUPLED RANGEFINDER AND BRIGHT-FRAME VIEW FINDER

When the focusing lever (11) is moved, the lens barrel moves

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in and out. This movement is linked with the rangefinder mechanism; so by sighting the subject through the finder eyepiece (22) and bringing the double image seen within the center frame of the field to form a single image, the camera is brought into correct focus.

The bright-frame lines in the finder indicate actual picture area. When shooting pictures in short distance, the two short parallax correction lines in the upper part of the viewfinder indicate boundary of actual picture area.

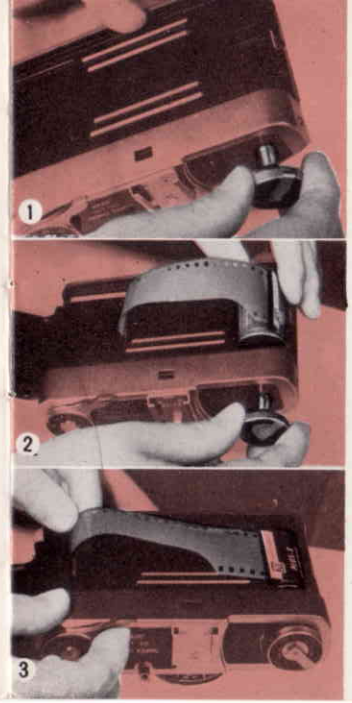
FILM REWINDING

The film rewind knob (9) with rewind handle (8) on the opposite side of the film transport lever (1) is used to return the exposed film to its cartridge for unloading.

Always depress the film rewind button (29) to release the film transport sprocket (25), and turn the film rewind handle (8) to the direction indicated by the arrow until the exposed film is fully returned to the cartridge. The film rewind button (29) should never be touched until the film in use is all exposed.

**LOADING FILM**

The SAMOCA M-35 (M-28) takes a cartridge protected 35 mm film, either black-and-white or color. This film is available in lengths giving either 20 or 36 exposures. Do not expose an unwrapped cartridge in direct sunlight, choose a shady place for loading or unloading.




1. Open the hinged back of camera by pulling out the camera back lock (20). Pull the film rewind knob (9) outward.
2. Depress the knob (9) seeing that it falls back fully into the hole of the spool in the film cartridge.
3. Pull out the film about 4 inches, insert the end of the film in the slit of the take-up spool (26) after bringing the slit into position by turning the film transport lever (1).
4. Wind, keeping the film in tension, and releasing the shutter when the film transport lever (1) stops. Correct the position of the cartridge, then carefully turn the film rewind bnok (9) to the direction indicated by the arrow to take up all slack.

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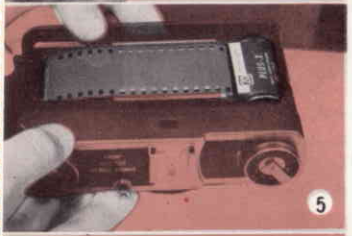

Keep winding evenly and firmly until the sproket teeth engage smoothly with the perforations on both sides of the film.

5. Release the shutter and turn the film transport lever (1), checking that the film is wound smoothly, that the film rewind knob (9) revolves counter-clock-wise as the cartridge lets out the film, and that the sprocket is truly engaged. Close the camera back, and lock.

6. To take-up, the exposed parts of the film cartridge, release the shutter and wind. Repeat it once more, then adjust the exposure counter (2) to indicate 0. If this is neglected, it will be difficult to keep the count of exposures made; and the numbers of the film remaining cannot be seen at a glance.

7. Raise up the rewind handle (8) a little, turn the disk, then adjust the red mark to indicate ASA number, and push down the rewind handle falls back into original position.

## CORRECT STANCE FOR PICTURE-TAKING

Any comfortable way of holding the SAMOCA M-35 (M-28) will do, so long as it offers stability, and the tinger tips do not catch on the shutter and aperture controls.

A. Using both hands, the focusing lever is manipulated by the index and middle fingers of the left hand, while the index finger of the right hand, resting lightly on the exposure counter (2), is used to press the shutter release button.

B. When using the camera in a -horizontal position, hold as described above, then bring up to eye-level. Use the right eye

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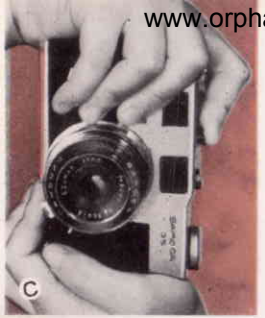

C

D

for sighting and focusing. Keep the left eye lightly closed. Keep elbows down and close to body for extra steadiness.

See Diagram C & D. For vertical picture-taking, the camera may be held in either of two ways: shifting the left hand to cradle the camera or merely turning the right-hand side of the camera down. When using the vertical position, care should be taken to prevent the carrying case cover from blocking the camera's line of vision.

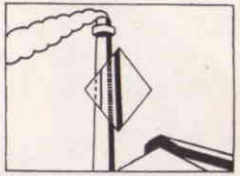
**FOCUSING THE SAMOCA M-35 (M-28)**

To focus the camera on a subject, bring the subject within the diamond in the center of the bright frame range finder. Adjust focusing lever (11) to make a single image of the subject. For easy focusing, choose some object with vertically straight lines, such as window frames and chimney-stalk.

When focusing on people, use the nose or cheek line.

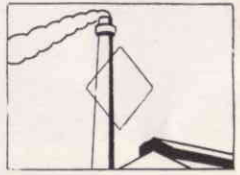
When using the vertical position, it is usually simpler to focus first in the horizontal position, then shift to the vertical for the shot.

When focusing, the depth of field of the lens used in the SAMOCA M-35 (M-28) should always be kept in mind.



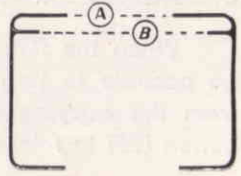
**THE BRIGHT FRAME**

The bright frame in finder express the pictures area. Upside bright line (A) will cover at infinity and lower line (B) at CLOSE-UPS.



**DEPTH OF FIELD SCALE**

As you reduce the opening of the lens, the depth of field (sharp area) increases in both a forward and backward direction from the distance at which the lens is focused. You can find the depth of field for any given lens opening and distance setting from the depth of field scale (19) on your camera. Locate the f stop you plan to use in the vertical



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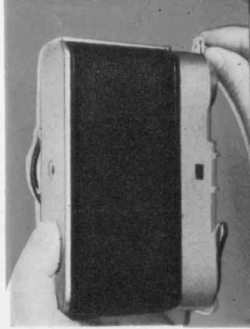
line at the left and relate it to the distance given horizontally on the top of the table. For instance, if you set the lens opening at f 8 and the distance scale at 10 feet (3 meters), everything will be in sharp focus from 8 feet (2.4 meters) to 15 feet (4.6 meters), and at f 16 it will be from 7 feet (2.1 meters) to infinity.

When taking a picture of an object with a large lens opening, the back ground will be blured except for the subject or person in focus, due to less depth of field.

**UNLOADING EXPOSED FILM**

When the film in the cartridge is exposed fully, it will no longer be possible to turn the film transport lever (1). Remove the camera from the carrying case, depress and hold down the film rewinding button (29) to release sprocket and permit rewinding into the cartridge. by turning the film rewind knob (9). Avoid direct sunlight, unlock and open the camera back, and remove the cartridge by pulling out the film rewinding knob (9).



**FLASH PHOTOGRAPHY WITH THE SAMOCA M-35 (M-28) " ⚲ " AND " ⚡ "**

The mark " ⚡ " is for using Electronic Flash and the mark " ⚲ " is for using Flash Bulb.

When using a flash unit, fix the end of the electric cord to the flash terminal (12). The flash bulb will work simultaneously with the shutter release. If you use a cable release, screw it into the shutter release button (4). Shutter speeds up to 1/25 second can be used with M-class bulbs (time lag less than 20 milli-seconds); and up to 1/300 second can be used with electronic flash.

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## THE DEPTH OF FIELD TABLE (feet)

EZUMAR F = 50 mm 1:3.5, 1:2.8
(Circle of Confusion 3.3/1000 cm)

| DIS-TANCE Feet / F.STOP | 3 | 3.5 | 4 | 5 | 6 | 8 | 10 | 15 | 30 | ∞ |
|---|---|---|---|---|---|---|---|---|---|---|
| F/2.8 | 2'11"-3'1" | 3' 5"-3' 8" | 3'10"-4' 2" | 4'9"-5' 4" | 5' 7"- 6' 5" | 7' 4"- 8'8" | 9' 0"-11' 2" | 12'8"-18' 0" | 22' 5"-45' 4" | 88'8"-∞ |
| F/3.5 | 2'11"-3'2" | 3' 4"-3' 8" | 3' 9"-4' 3" | 4'8"-5' 5" | 5' 7"- 6' 7" | 7' 2"- 9'0" | 8' 9"-11' 7" | 12'5"-19' 0" | 21' 1"-51'11" | 71'0"-∞ |
| F/ 4 | 2'10"-3'2" | 3' 4"-3' 9" | 3' 9"-4' 3" | 4'8"-5' 5" | 5' 6"- 6' 8" | 7' 1"- 9'2" | 8' 7"-11'11" | 12'1"-19'10" | 20' 2"-57'11" | 62'1"-∞ |
| F/5.6 | 2'10"-3'3" | 3' 3"-3'10" | 3' 8"-4' 5" | 4'6"-5' 8" | 5' 3"- 6' 8" | 6' 9"- 9'9" | 8' 2"-12'11" | 11'2"-22' 7" | 18'11"- 9' 6" | 44'5"-∞ |
| F/ 8 | 2' 9"-3'4" | 3' 2"-3'11" | 3' 6"-4' 7" | 4'4"-5'11" | 5' 0"- 7' 5" | 6' 4"-10'9" | 7' 7"-14' 8" | 10'1"-28'11" | 15' 3"- ∞ | 31'1"-∞ |
| F/11 | 2' 8"-3'6" | 3' 0"-4' 2" | 3' 5"-4'10" | 4'0"-6' 5" | 4' 9"- 8' 2" | 5'11"-12'5" | 6'11"-17'11" | 9'0"- ∞ | 12'11"- ∞ | 22'7"-∞ |
| F/16 | 2' 6"-3'9" | 2'10"-4' 6" | 3' 2"-5' 5" | 3'9"-7' 5" | 4' 4"- 9' 9" | 5' 3"-16'6" | 6' 1"-28' 1" | 7'8"- ∞ | 10' 2"- ∞ | 15'6"-∞ |
| F/22 | 2' 4"-4'1" | 2' 8"-5'11" | 2'11"-6' 2" | 3'6"-8'11" | 3'11"-12'10" | 4' 8"-27'5" | 5' 4"-87' 0" | 6'5"- ∞ | 8' 2"- ∞ | 11'4"-∞ |

## THE DEPTH OF FIELD TABLE (meter)

EZUMAR F = 50 mm 1:3.5, 1:2.8
(Circle of Confusion 3.3/1000 cm)

| DIS-TANCE Meter / F.STOP | 0.9 | 1.1 | 1.2 | 1.5 | 2 | 2.5 | 3 | 5 | 10 | ∞ |
|---|---|---|---|---|---|---|---|---|---|---|
| F/ 2.8 | 0.87-0.93 | 1.06-1.15 | 1.15-1.25 | 1.42-1.58 | 1.86-2.16 | 2.29-2.76 | 2.70-3.38 | 4.21- 6.13 | 7.31-15.9 | 27.1-∞ |
| F/ 3.5 | 0.865-0.94 | 1.05-1.16 | 1.14-1.27 | 1.40-1.61 | 1.83-2.20 | 2.24-2.83 | 2.64-3.48 | 4.06- 6.50 | 6.84-18.6 | 21.6-∞ |
| F/ 4 | 0.86-0.95 | 1.04-1.17 | 1.13-1.28 | 1.39-1.63 | 1.81-2.24 | 2.21-2.88 | 2.59-3.57 | 3.96- 6.79 | 6.54-21.2 | 18.9-∞ |
| F/ 5.6 | 0.84-0.97 | 1.02-1.20 | 1.10-1.32 | 1.35-1.69 | 1.74-2.35 | 2.11-3.07 | 2.46-3.85 | 3.65- 7.93 | 5.75-38.3 | 13.52-∞ |
| F/ 8 | 0.82-0.99 | 0.99-1.25 | 1.07-1.37 | 1.29-1.78 | 1.65-2.54 | 2.0 -3.39 | 2.28-4.39 | 3.27-10.6 | 4.86- ∞ | 9.47-∞ |
| F/ 11 | 0.80-1.03 | 0.95-1.31 | 1.02-1.45 | 1.23-1.92 | 1.55-2.82 | 1.84-3.92 | 2.09-5.32 | 2.90-18.3 | 4.08- ∞ | 6.87-∞ |
| F/ 16 | 0.76-1.11 | 0.89-1.43 | 0.96-1.61 | 1.14-2.19 | 1.41-3.46 | 1.64-5.30 | 1.84-8.20 | 2.43- ∞ | 3.21- ∞ | 4.74-∞ |
| F/ 22 | 0.71-1.22 | 0.84-1.62 | 0.89-1.84 | 1.04-2.66 | 1.26-4.77 | 1.45-9.13 | 1.60-23.3 | 2.04- ∞ | 2.56- ∞ | 3.44-∞ |