

Chinon CP-7m Users Manual

([RevueFlex AC5 - U.K.](#))

4-29-'05 / 3-24-2022

The CP-9AF is similar except this does not Auto Focus or have Through-the-Lens (TTL) flash.

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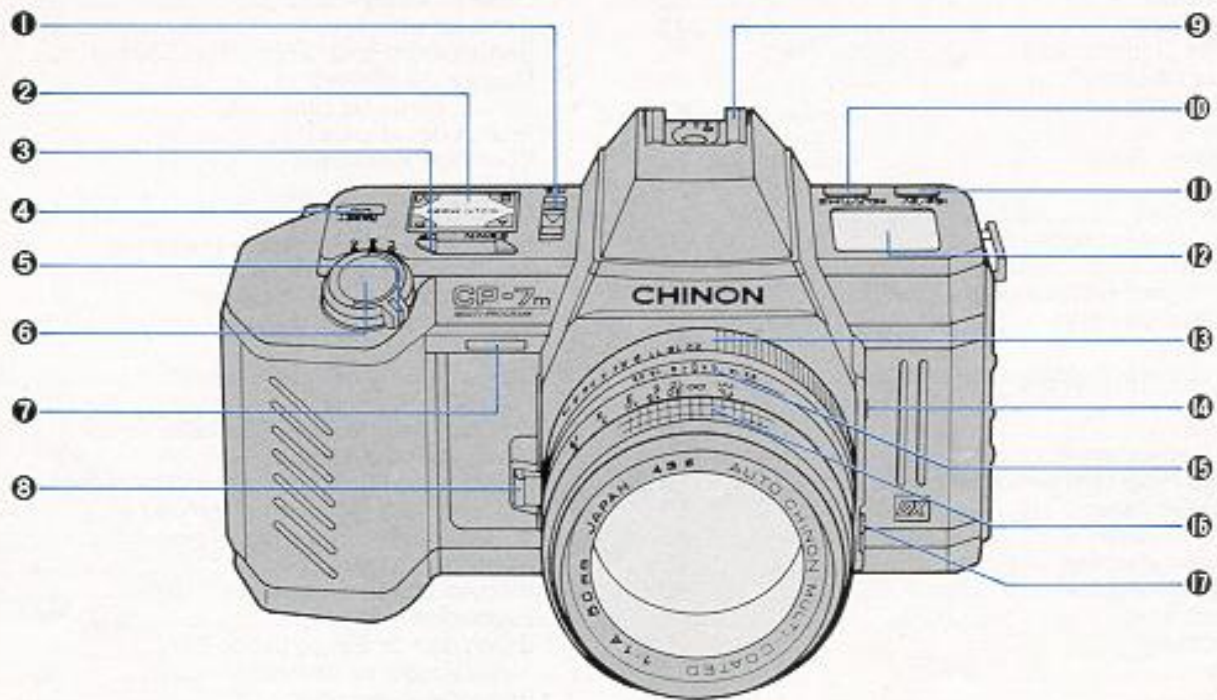
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NOMENCLATURE



1) Multiple exposure (M.E.) switch

2) Exposure mode selector

3) UP/DOWN button

4) Mode reset button

5) Main switch

6) Shutter release button

7) Self-timer LED

8) Lens lock release lever

9) Accessory shoe (hot shoe)

10) SELF/TIME button

11) ISO/EV button

12) Data panel

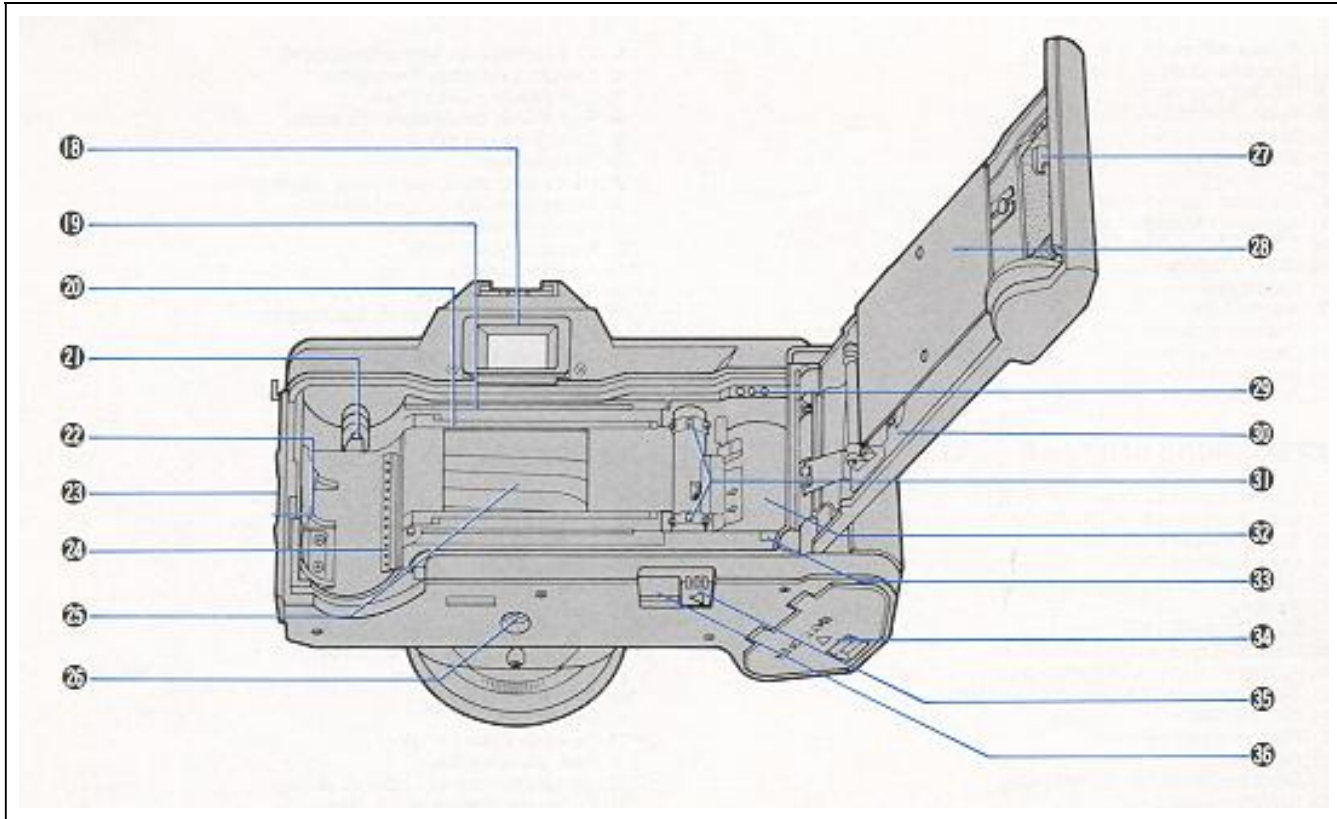
13) Aperture ring

14) Cable release socket

15) Depth of field scale

16) Focusing ring

17) AE lock button



18) Viewfinder eyepiece

19) Film guide rail

20) Film rail

21) Rewind shaft

22) Back cover release lever

23) Back cover release button

24) DX film contacts

25) Focal plane shutter

28) Film pressure plate

29) Data back contacts

26) Tripod socket

27) Film window

30) Camera back

31) Sprocket

32) Take-up spool

33) Leader index

34) Battery compartment cover

35) Rewind button

36) Rewind switch protection cover

SPECIFICATIONS

- **TYPE:** 35 mm automatic compact motorized SLR camera with TTL full aperture center weighted average metering, triple programs (instant stop-down metering), aperture priority AK, manual exposure system, and full information LCD panel.
- **LCD Panel Indication:** Liquid Crystal Display indicates the Exposure mode, Shutter speed, Film speed, Film counter, Self timer operation, Bulb timer exposure time, Battery check, and Exposure compensation.
- **Picture format:** 24x36 mm.
- **Lens Mount:** Chinon Universal Bayonet mount (K, KA, RK, mount compatible).
- **Mirror:** Large swing back quick return mirror.
- **Shutter:** Electromagnetically controlled focal plane shutter, Stepless speeds from 8 to 1/2000 sec. on automatic (maximum operation at AE is 15 sec.), 15 speeds from 8 to 1/2000 sec. on manual exposure. Electronically controlled automatic and manual exposure.
- **Shutter Release:** Electromagnetic shutter release with release lock and provision for cable release.
- **Viewfinder:** Fixed eye level pentaprism, central split image with micro prism collar, 18 digital LEDs in three different colors indicate 1/2000~1/60 sec. (green), 1/30~1 sec. (orange, slow shutter speed warning), 2~8 sec. (under LED will light up), UNDER/OVER warning (red) three stage program AE (green), and flash ready signal (red).
- **Viewfinder Magnification:** 0.87x at infinity with standard 50 mm lens.
- **Dioptric Factor:** 1.0 diopter.
- **Viewfinder Visibility:** 92% vertical and horizontal.
- **Exposure Meter:** TTL full aperture center weighted average metering. TTL full aperture instant stop-down center weighted average remetering for program AE employing one silicon blue cell.
- **Exposure Range:** +1 EV to +20 EV (F1.4/50 mm, ISO 100).
- **Exposure Memory:** Built-in AE lock button functions in aperture priority AE mode.
- **ISO RANGE:**

Auto Setting: ISO 25~5000 with 1/3 EV increments (for DX coded film).

Manual Setting: ISO 25~5000 for non DX coded film

Exposure Compensation: -4.0 EV to +4.0 EV with 1/2 EV increments (for DX coded film)

- **Programmed AE mode:** Three stages available.

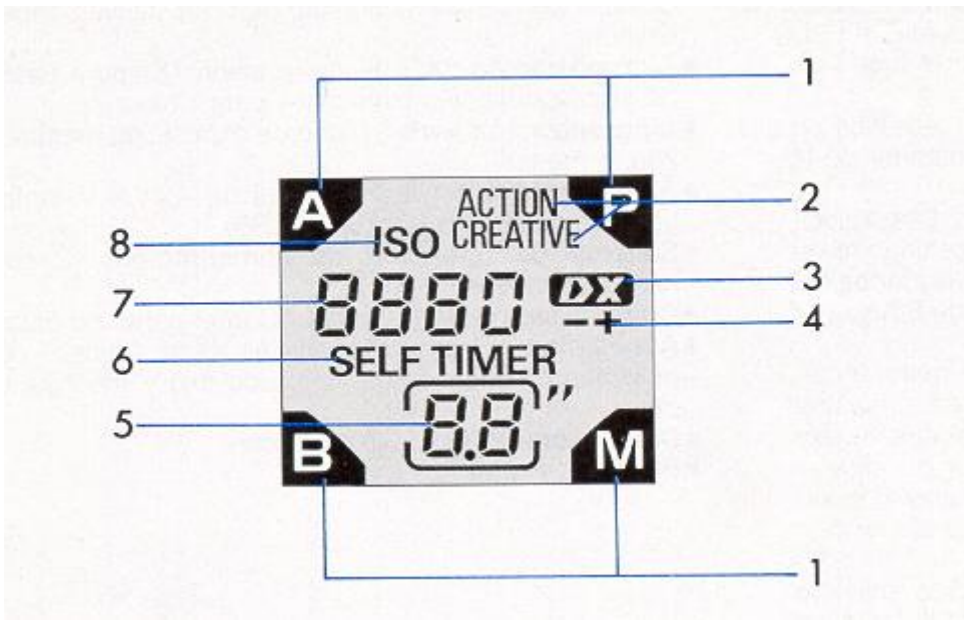
Action: The program designed for fast-moving objects. The lens aperture stays open up to the shutter speed of 1/500 sec. Between 1/500 and 1/2000 sec. the aperture varies in accordance with the programmed shutter speed.

Normal: The program designed for general photography. The lens aperture stays open up to the shutter speed of 1/60 sec. Between 1/60 and 1/2000 the aperture varies in accordance with the programmed shutter speeds.

Creative: The program designed for slow moving objects or depth of field control. The lens aperture stays open up to the shutter speed of 1/8 sec. At faster than 1/8 sec., the aperture varies in accordance with the programmed shutter speed.

- **Mode Reset:** Built-in mode reset button, to go back to the basic photography mode. (NORMAL PROGRAM)
- **Programmed AE signal:** Built-in with flashing program indication LED when the aperture is set within 4 stops from full aperture opening. When the aperture is set beyond 4 stops, Program indication LED will stay on at program AE mode.
- **Program AE Curve Information:** Program character curve chart is provided on camera back.
- **Manual Shutter Speed Selector:** Manual shutter speeds can be selected by pressing the up/down button while in the "M" mode. Shutter speeds can be selected in 15 steps from 8 to 1/ 2000 sec.
- **Film Advance:** Auto winding with built-in micro motor, selectable shooting mode for single and continuous exposure. Continuous photos up to 2.5 frames per second. Built-in shutter release lock in main switch.
- **Film Loading:** Auto loading with built-in micro motor. Auto first frame setting by closing the back cover.
- **Film Rewinding:** Auto rewinding activated by rewind button with auto-stop system upon completion of rewinding.
- **Multiple Exposure:** Built-in switch disengages film advance and counter.
- **Self-timer:** Electronically controlled, 10 sec. (self-timer operation time can be set up to 90 minutes) with LED indicator and LCD panel indicator (subtractive type). Cancellation possible.
- **Interval Timer:** Interval time can be set up to 90 minutes.
- **"B" Bulb Timer:** Exposure time for bulb photography can be set up to 90 minutes.
- **Accessory Shoe:** Hot shoe type with "X" sync and a contact for Chinon dedicated flash units.
- **"X" Synchronization:** "X" flash sync at 1/100 sec. with Chinon dedicated flash units.
- **Slow Synchronization:** 1/60 sec. or slower manual exposure mode.
- **Power Source:** 4x1.5 V "M" alkaline battery or one 6 V lithium battery (2CR5 type).

- **Power Hold System:** 12 seconds in all modes.
- **Battery Check:** By LCD data panel.
- **Accessories:** Chinon dedicated flashes, super multi-coated lenses, deluxe carrying cases and many more.
- **Dimensions:** 152.5(L)x89(H)x51(D) mm (6"x3.5Nx2")
- **Weight:** 514 gram (18.14 oz)



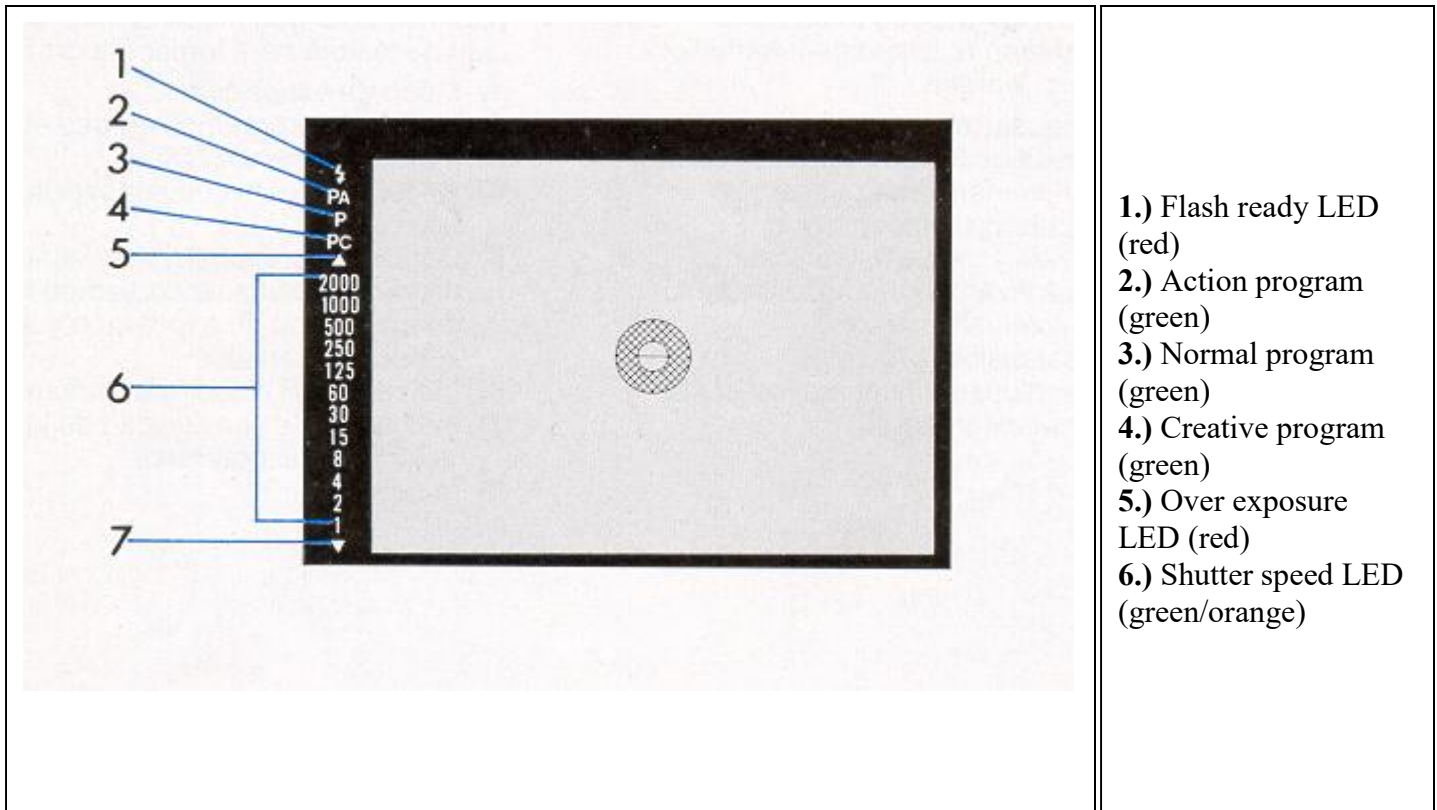
DATA PANEL

The CP-7m is equipped with a large LCD panel that displays important camera function information.

- 1) Exposure modes
- 2) Three stage program modes
- 3) DX film mark
- 4) Exposure compensation reminder
- 5) Film counter/self-timer countdown/"bulb" and "interval timer" elapsed time
- 6) Self-timer indication
- 7) Shutter speed/film speed indication
- 8) ISO mark

VIEWFINDER

Inside the viewfinder, essential information is displayed by multicolored digital LEDs.

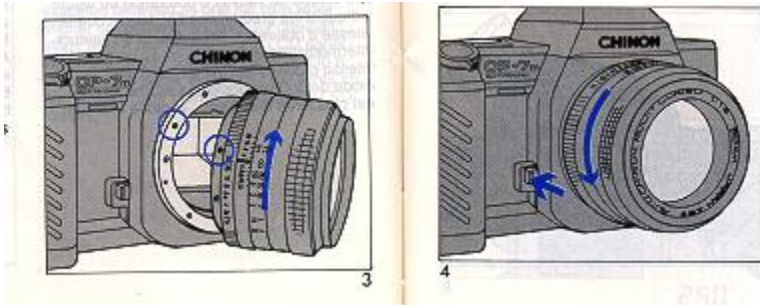


7.) Under exposure LED (red) In the viewfinder, shutter speed LEDs are indicated between as one full stop while shutter speeds are indicated by one half stops with A or P mode on the LCD panel. When the shutter speed is set from 2 to 8 seconds, the under exposure LED lights up, and when slower than 8 seconds, the LED flickers.

SHOULDER STRAP INSTRUCTIONS

- 1. Place the end of the shoulder strap through the camera body lug (Fig. 1).
- 2. Place the end of the strap through the plastic retainer. Pull tight to secure (Fig 2)

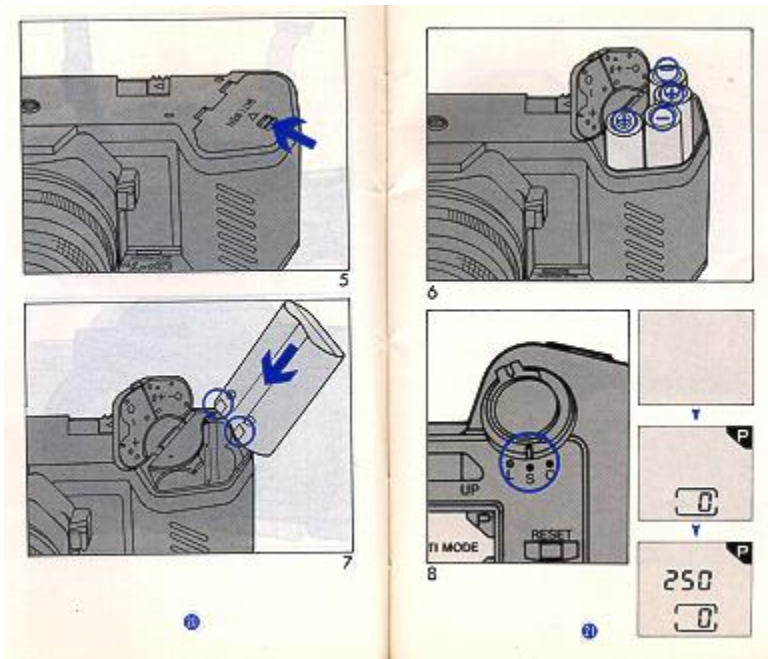
LENS MOUNTING



Your CP-7m is equipped with a universal bayonet mount which accepts all interchangeable lenses with "K", "KA" or "RK" bayonet mounts.

- 1. To attach the lens, match the red dot on the camera body with the red dot on the lens (Fig. 3). Insert the lens into the camera body and turn it clockwise until the lens locks with a click.
- 2. To remove the lens from the camera body, depress the lens lock release lever, turn the lens counterclockwise as far as it will go, and lift it up from the body (Fig. 4). Do not remove or attach lens while operating the camera.

BATTERY INSTALLATION



The CP-7m uses four (4) AA size 1.5 V alkaline batteries or a 6 V lithium battery (2CR-5 type).

- 1. Slide the battery compartment cover lock to open the battery compartment (Fig. 5).
- 2. Place four AA size 1.5 V alkaline batteries in the compartment with plus (+) and minus(-) ends aligned as indicated on the cover (Fig. 6). A 6 V lithium battery (2CR-5 type) can also be used by installing as shown in Fig. 7.

- 3. Close the compartment cover. Set the main switch to the "S" or "C" position. The exposure mode and frame number will appear in the data panel (Fig. 8). When the shutter release button is depressed halfway, a shutter speed will be displayed in the data panel. If no display appears, batteries are incorrectly installed or too weak to operate the camera. Check that the batteries are correctly installed or replace all four batteries at the same time.

NOTE: To prevent damage from battery leakage or bursting, do not mix batteries of different types, brands or ages. Do not crush or throw used batteries or subject them to high temperatures.

If the camera will not be used for a long period of time, film and batteries should be removed. Performance of batteries decreases as they become colder. Before using the camera in cold weather make sure to use a fresh set of batteries. A spare set should be carried in a warm pocket, in case you need to change batteries while shooting. Battery Life

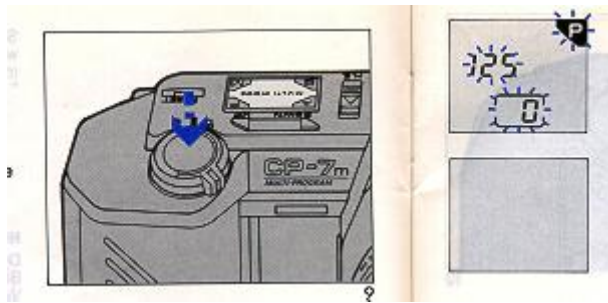
Number of Film Cartridges:

When using a roll of 36 - exposure film, the following data was observed during laboratory testing.

Lithium battery (2CR-5)	Four 1.5 V AA - size alkaline batteries
150 rolls	80 rolls

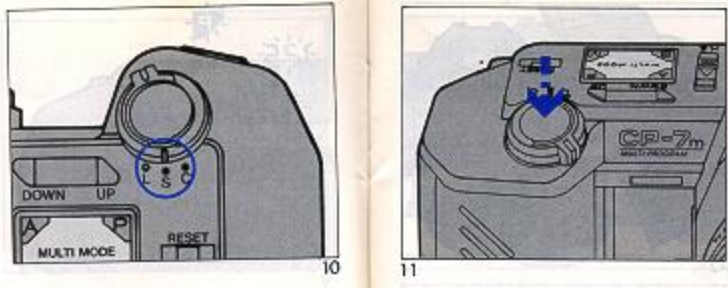
NOTE: Although "AA" type Ni-Cad rechargeable battery can be used, their performance will be very limited. Make sure that the Ni-Cad battery can be fitted easily into the CP-7m without undue force.

BATTERY TESTING



Set the main switch to the "S" or "C" position, and depress the shutter release halfway (Fig. 9). Fresh batteries should be installed in any of the following cases. When all displays on LCD data panel blink. When shutter release button is depressed all the way down, the shutter will not release and all displays on LCD panel and LED indication in the viewfinder will not light up.

MAIN SWITCH (S/C Mode Selector)



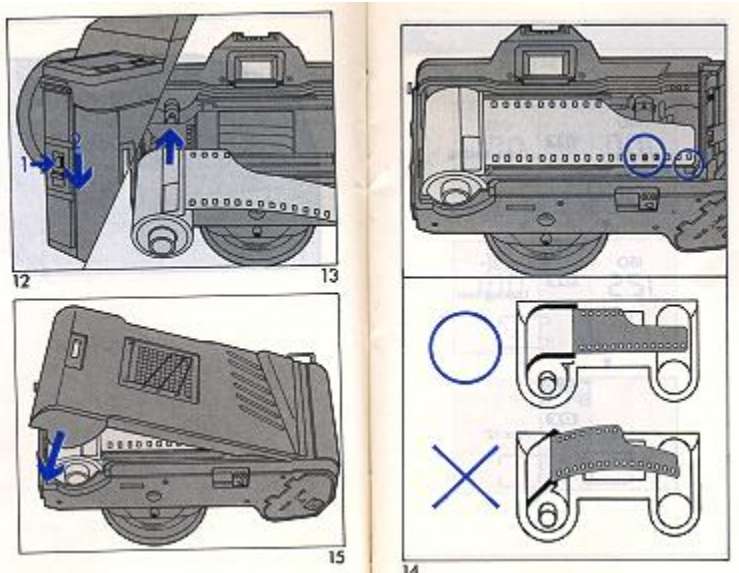
To prevent accidental exposures and to conserve battery power, the main switch should be set to the "L" position. When the main switch is set to the "L" position, all the electric circuitry is shut off and the shutter release is locked. The LCD display panel will be switched off. To operate the camera, set the main switch to the "S" or "C" position (Fig. 10). **S** - Single-frame mode: film is advanced one single frame after each exposure. **C** - Continuous mode: film is advanced continuously at up to two and half frames per second as long as the shutter release button is kept fully depressed.

SHUTTER RELEASE

The CP-7m features a two-stage electromagnetic shutter release (Fig. 11).

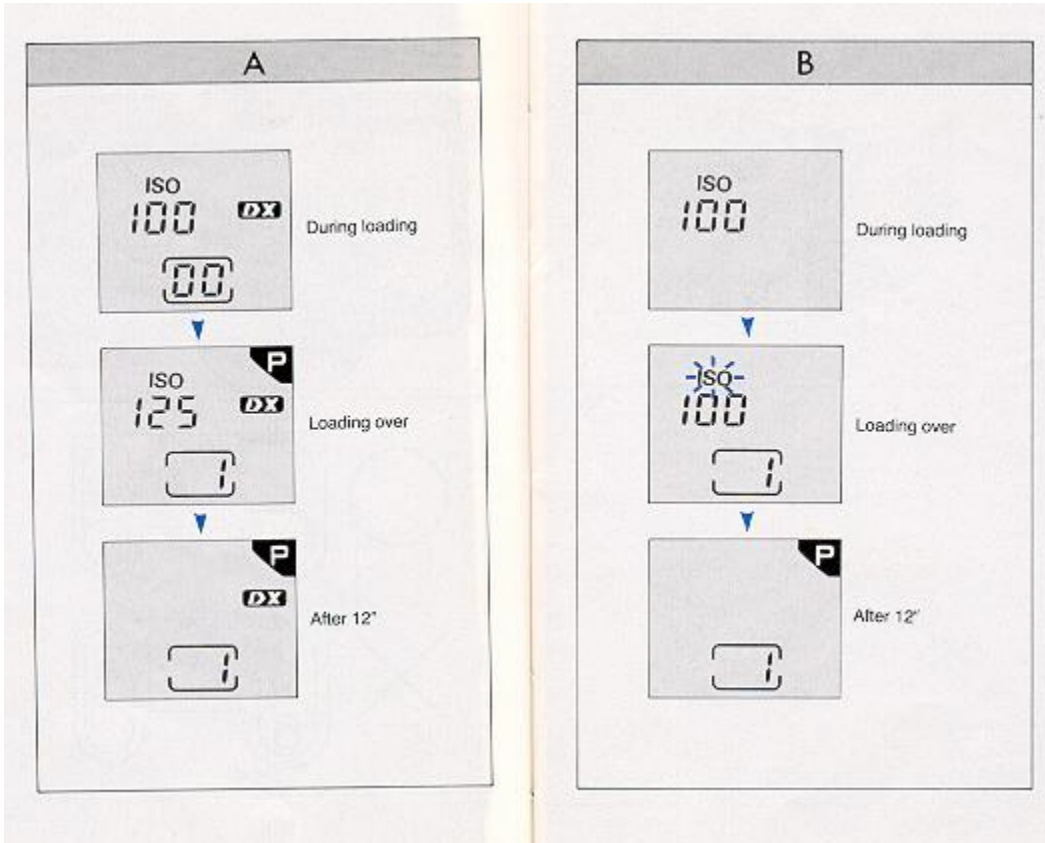
1. When the shutter release button is depressed halfway, the electronic circuitry (including the LCD data panel and viewfinder LEDs) starts functioning. The meter and information display remain on for 12 seconds after you lift your finger from the button
2. When the button is fully depressed, it will trigger the shutter

FILM LOADING



1. Set main switch to the "S" or "C" position.
2. Open the back cover by pressing the back cover release button and sliding the back cover release lever downward (Fig. 12).

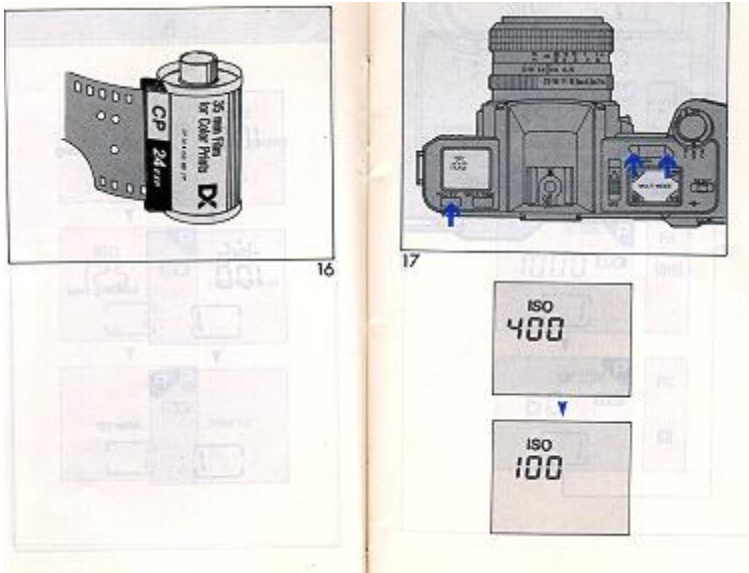
3. Insert a film cartridge into the film chamber with the protruding end of the cartridge positioned toward the bottom of the camera (Fig. 13).
 4. Extend the trimmed end of the film up to the yellow leader index. Make sure that the lower perforations of the film engage the teeth on sprocket (Fig. 14).
 5. Close the camera back firmly until it locks with a click (Fig. 15).
 6. The camera will automatically advance the film to the first frame, and "1" will appear in the frame counter in the LCD panel.
- If the frame counter still shows "0", open the back cover and re-load the film properly.



With DX film, ISO number will appear during loading. When loading is completed, the DX mark and the metered data (shutter speed) are displayed and the film speed is automatically set. The metered data (shutter speed) remains displayed for 12 seconds. picture (A)

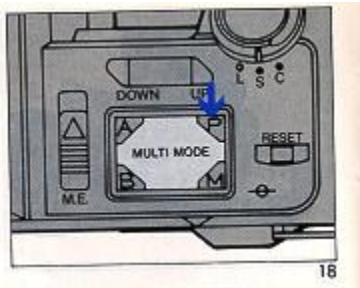
With non-DX film, after loading is completed, the data panel will display the ISO mark blinking for 12 seconds, indicating to set the correct film speed.— (B)

SETTING THE FILM SPEED

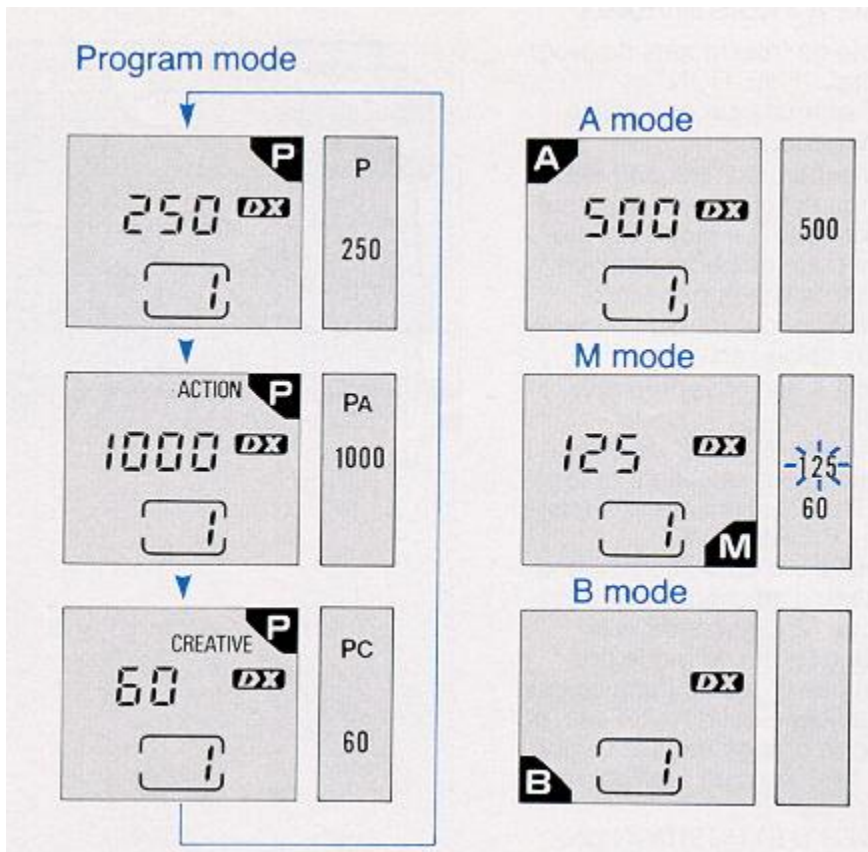


- 1. When using DX-coded film (Fig. 16): The film speed for DX-coded films is automatically adjusted, and the DX mark appears in the data-panel.
- 2. When using non-DX coded film: While depressing the ISO/EV button, press the UP/DOWN button to set the film speed (Fig. 17). Applicable range is ISO 25 to 5000 with 1/3 EV increments. The film speed seeing can be checked by pressing the ISO/EV button

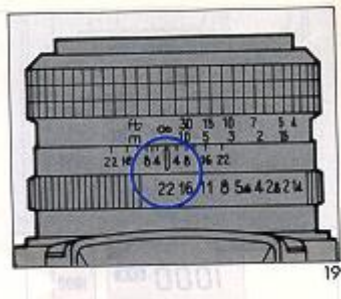
SETTING THE EXPOSURE MODE



The CP-7m features a three stage programmed AE mode (**P** - Program, **P.A** - ACTION, **P.C** - CREATIVE), aperture priority (**A**) mode, a metered manual (**M**) mode and bulb (**B**) mode. To set the exposure mode, simply press down the desired mode at the corner of the exposure mode selector. One press on P mode will result in normal "**P**", another press in "**P** - ACTION" and a third press in "**P** - CREATIVE" (Fig. 18). See EXPOSURE MODES for further details.



THREE-STAGE PROGRAMMED AE

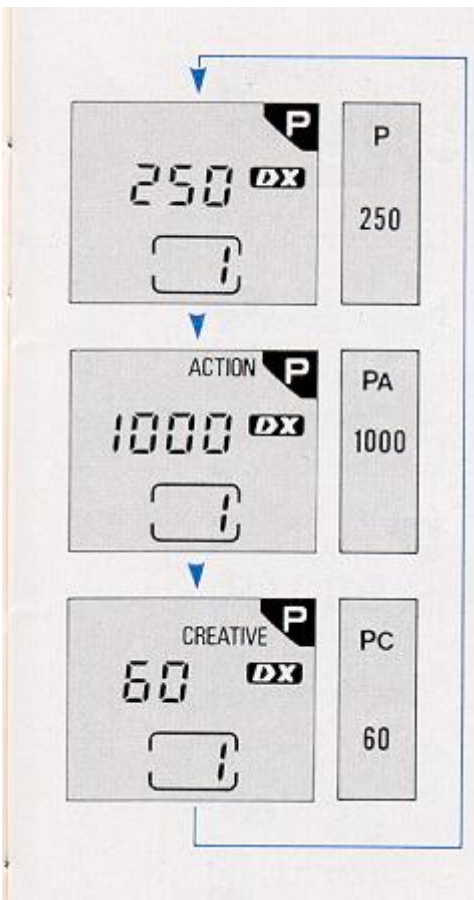


The CP-7m is equipped with three program modes of normal "P", "P - ACTION" and "P - CREATIVE". Normal "P" mode can be used in most cases.

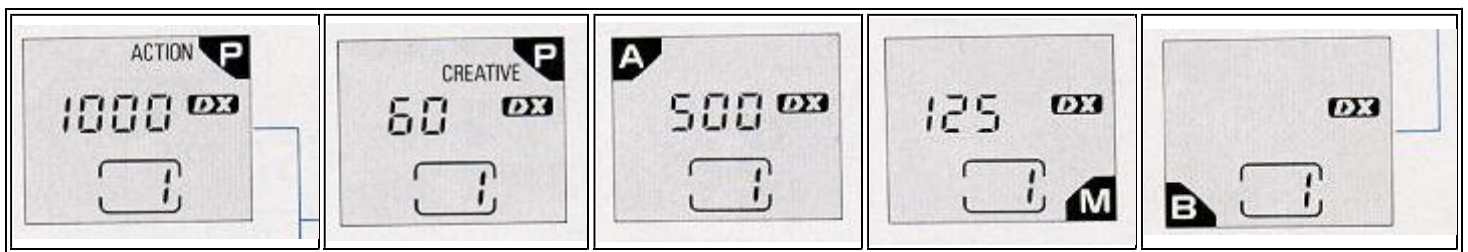
The CP-7m automatically selects the most suitable combination of shutter speed and aperture for the optimum exposure. The programmed AE mode is ideal for general picture taking by shooting very quickly and easily, eliminating troublesome exposure setting according to light conditions.

- 1. Set the lens at its minimum aperture (Fig. 19)
- 2. Press the corner of the exposure mode selector at the "P" position once again to select the "P - ACTION" mode, or press it again to select "P - CREATIVE" mode if desired.
- When a shutter speed in the data panel blinks and **^ lights up or V blinks in the viewfinder, it means the program mode is not applicable for the situation.**
- If the displayed speed is 1/30 sec. or slower (orange digital LED in the viewfinder), use of a flash or a tripod is recommended.

- See EXPOSURE MODES for further information on program characteristics and applicable ranges.



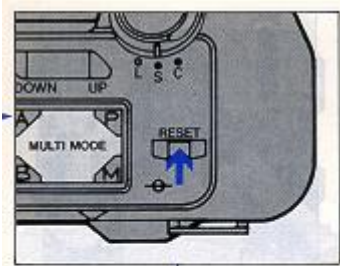
MODE RESET BUTTON



When you want to quickly set the camera to the normal **Program** mode from **P - ACTION**, **P - CREATIVE**, **A**, **M** or **B**, simply press and release the mode reset button.

1. The mode reset button pressed and released, exposure mode is set to the normal **Program** and "**P**" is displayed in data panel and "**P**" LED lights up in the viewfinder (Fig. 20). Any exposure adjustment and self-timer are canceled.

2. When the mode reset button is pressed and released, the metered shutter speed in the normal "**P**" mode is displayed in the data panel for 12 seconds. When the mode reset button is pressed and released after the self-timer is activated the metered shutter speed is displayed in the data panel for one second: the self-timer is cancelled without exposing a frame.



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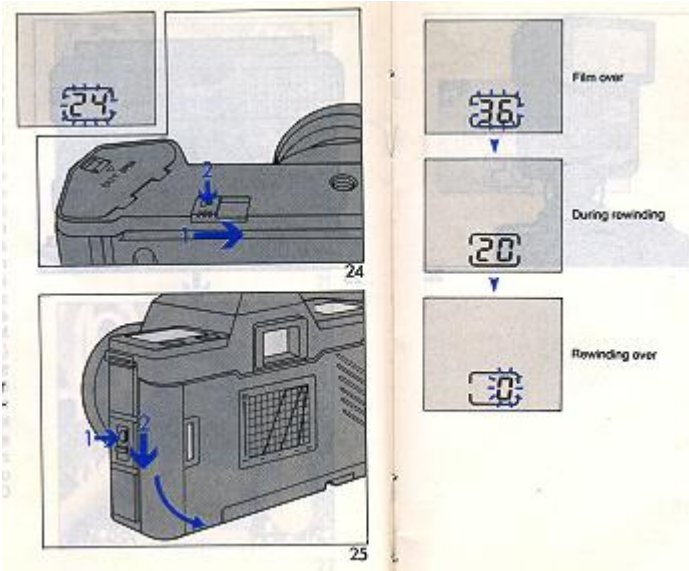
FOCUSING



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At the center of the viewfinder is a split image with microprism collar which is then surrounded by a ground glass. When the camera is in focus, the image on three focusing aids becomes sharpest. While observing the subject through the viewfinder, turn the lens focus ring until the upper and lower split images match up to form a uniform image (Fig. 21). This split image focusing is particularly helpful when the subject is dominated by vertical lines. The microprism is also very helpful; when out of focus, the image on the microprism will be composed of a collection of asterisks (Fig. 22). These sparkling asterisks will disappear when the focus is properly set. You can double check the focus seeing by the image on the ground glass. You can also focus indirectly. Actually measure or estimate the distance to the subject and set the lens focus ring to the appropriate seeing (Fig. 23).

UNLOADING EXPOSED FILM



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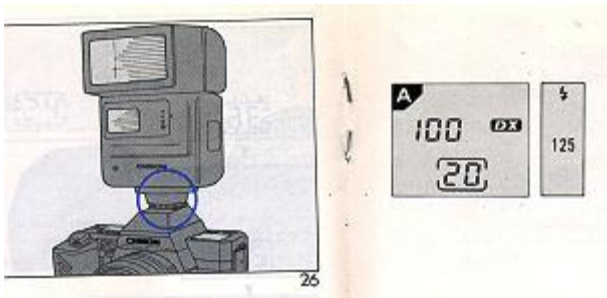
When the film in the camera is fully exposed, the number in the film counter remains blinking for 12 seconds. All other LCD displays will disappear at this time.

- 1. Slide the rewind switch protection cover in the direction of the arrow and push in rewind button to rewind the film (Fig. 24).
- 2. During rewinding, frame number counts backward showing how many frames are remaining to be rewound.
- 3. After rewinding, "0" appears blinking in the frame counter and rewinding is automatically stopped.
- 4. Open the back cover and remove the film (Fig. 25). Do not open the back cover until the motor stops, even if "0" appears in the frame counter.

NOTE: When the motor stops before frame number reaches "0", do not open back cover. Replace batteries with a fresh set. When rewinding is completed, "0" remains blinking for 12 seconds. The shutter cannot be tripped until the rewinding operation is completed.

FLASH PHOTOGRAPHY

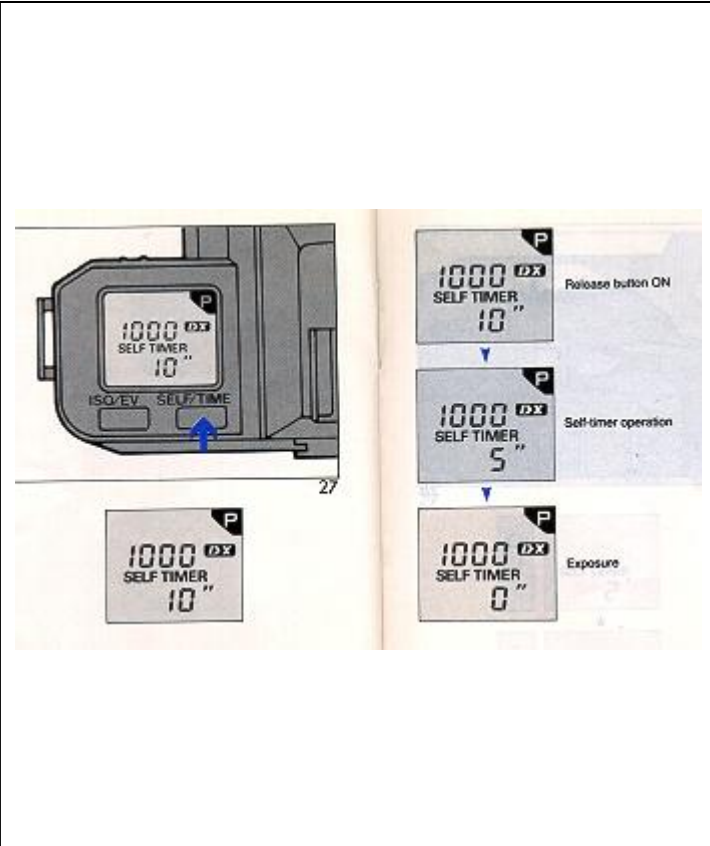
The CP-7m is designed with a unique flash system, making flash photography simple. The CP-7m offers a wide range of uses, such as X sync at 1/100 sec. with A and M modes, and also slower sync flash photography possibility.



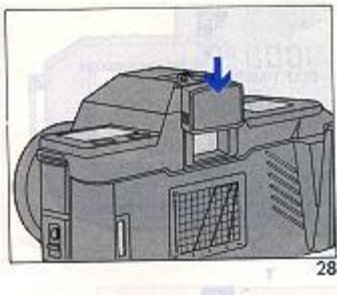
- 1. Mount a CHINON dedicated flash to the camera (Fig. 26). Set the f/stop indicated on the exposure calculator dial of your CHINON flash to the corresponding aperture setting on the lens. Set the exposure mode selector either to the "A" or "M" (faster than 1/125) mode.
- 2. A few seconds after your CHINON flash is turned to the "ON" position, the Flash Ready light will illuminate. When the flash has reached adequate power, the camera's shutter speed is automatically set to 1/100 sec. The flash ready LED (red) and 1/125 sec. LED (green) in viewfinder will light up, and "100" appears on the data panel. After the shutter release button has been depressed part way to activate the metering system, release the shutter to take the picture.
- 3. With the exposure mode set at "A" or "M" after the picture has been taken and before the flash has recycled, the camera automatically switches to the automatic exposure metered shutter speed (A) or manually selected shutter speed (M) (if under 1/125 sec.) until the flash has once again recycled. In this case your flash must be set to the "AUTO" position.
- Slow synchronization: If you desire to synchronize at slower than 1/100 sec., set the exposure mode selector to "M". Select the desired shutter speed by pressing the UP/DOWN button. The shutter will be released at the selected speed. Set the aperture according to the information on the display panel of the flash unit.
- When using flash units other than CHINON dedicated units, set the exposure mode selector to "M" and the shutter speed to 1/60 sec.

SELF-TIMER OPERATION

The CP-7m is equipped with an electronic self timer with a red LED and a unique "up to 90 minute" setting. Film is automatically advanced one frame after the exposure is completed.

	<ol style="list-style-type: none">1. Press the SELF/TIME button to activate self-timer for a 10 seconds delay (Fig. 27).2. Focus the subject and depress the shutter release bottom. The self-timer LED will start blinking. The frame counter displays the remaining seconds until the shutter will be released.
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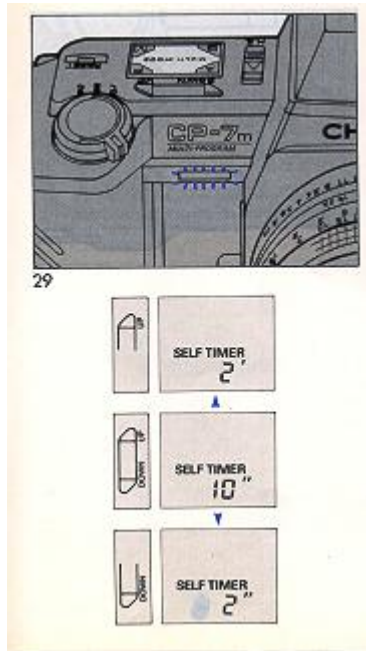
To cancel operation: Press the ISO/EV button. After the self-timer operation has started, you can cancel it by pressing the SELF/TIME button, however, self-timer mode still remains in effect. You can also cancel it by pressing the mode reset button, but the exposure mode is set to the normal "P" mode after cancellation.



NOTE:

- When utilizing the self-timer in the Program and "A" modes, it is recommended to block the viewfinder with an eyepiece cover to prevent extraneous light from interfering with the automatic exposure system of the camera (Fig. 28).

- If you wish to set the self-timer for a duration for shorter or longer than 10 sec., press the UP/DOWN button while pressing the SELF/TIME button.

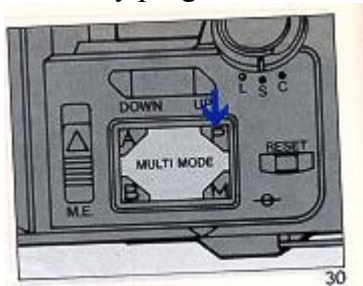


1. Up to 90 minutes can be set with an interval of one second from 0 to 60 seconds and one minute from 1-90 minutes.
2. The self-timer LED starts blinking with 10 seconds remaining prior to exposure and stays lit at 2 seconds prior to the exposure (Fig. 29).
3. If you wish to see the frame counter during self-timer operation, press the UP/DOWN button in either end.

EXPOSURE MODES:

I. Three-stage Programmed AE Mode

The CP-7m is designed with a three-stage program, which gives you greater photographic versatility: select any program based on your photographic needs (Fig. 30, Table A).



- (1) **P (NORMAL PROGRAM)** - For photographing general subjects. Select "P" if you cannot decide whether to use P - ACTION or P - CREATIVE.
- (2) **PA (ACTION PROGRAM)** - Minimizes camera shake and is designed to be used when photographing "hi-speed" (moving) subjects. Suitable for telephoto lenses.
- (3) **PC (CREATIVE PROGRAM)** - Gives priority to the lens aperture, which affects the depth of field. This mode is convenient when taking picture of hard-to-focus subjects and when using wide angle lenses.

Programmed AE Signal and Aperture Setting

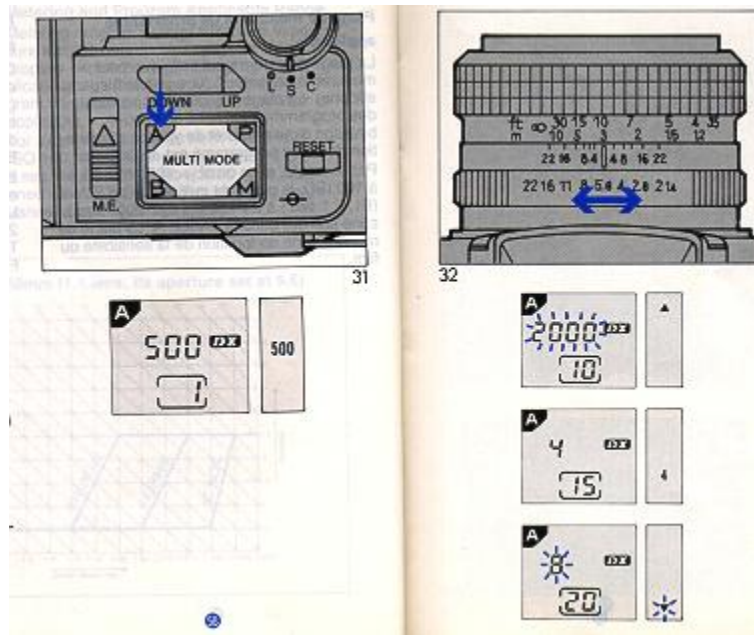
Unlike other program cameras, the CP-7m functions perfectly with "K" (even "KA" or "RK") mount lenses even in program mode. Generally, you should set the aperture at its minimum seeing. Although you can take a perfectly exposed picture at any aperture setting, the applicable programmed range is limited. The program AE signal LED is useful to check the lens aperture seeing for program modes. The programmed AE viewfinder LED for P, PA or PC in use will "flicker" when the lens aperture is within four stops of the full maximum aperture. Set the aperture within the range so that the programmed AE signal LED will not "flicker". On the other hand, if you would not stop down any further than a particular f/stop, simply set the aperture ring to the desired aperture.

Metering and Program Applicable Range

Metering range is a range which the exposure meter (a silicon blue cell) can obtain a properly exposed image. The program applicable range is a range where the program combination of aperture and shutter is applicable. For example, using a 50 mm F1.4 lens at ISO 100, the metering range is EV+1 (F1.4, 1 sec.) to EV+20 (F22, 1/2000 sec.), darkened area in TABLE A. The metering range varies according to film speed.

II. Taking pictures in the A mode

After you have set the exposure mode selector to "A" and selected the desired aperture, the camera will automatically select the required stepless shutter speed from 8 sec. to a fast 1/2000 sec. The "A" mode is convenient for taking pictures at specific aperture settings based on your individual needs.



- 1. Set the exposure mode selector in the A position. The mode indication "A" and a shutter speed will appear on the data panel (Fig. 31).
- 2. Set the desired aperture by rotating the lens aperture ring (Fig. 32).
- If the lens F stop or the aperture size is too large for the lighting conditions, the red over exposure indicator ^ in the viewfinder will glow, and 2000 on the data panel will flicker. When this happens, stop down the lens diaphragm by turning the lens F stop ring or use a film with a lower ISO rating.

- If the displayed speed is 1/30 sec. or slower (orange digital LED in viewfinder as camera shake warning), use of a tripod is recommended, or you can increase the shutter speed by opening the lens diaphragm. Use of a flash unit is also suggested.
- If the computed shutter speed is even longer than 8 sec. (semi-darkness condition), the red under exposure indicator V in the viewfinder and 8" on the data panel will flicker. Open the lens diaphragm by turning aperture ring, use a film with a higher ISO rating or use a flash.

F-Stop Number Guide

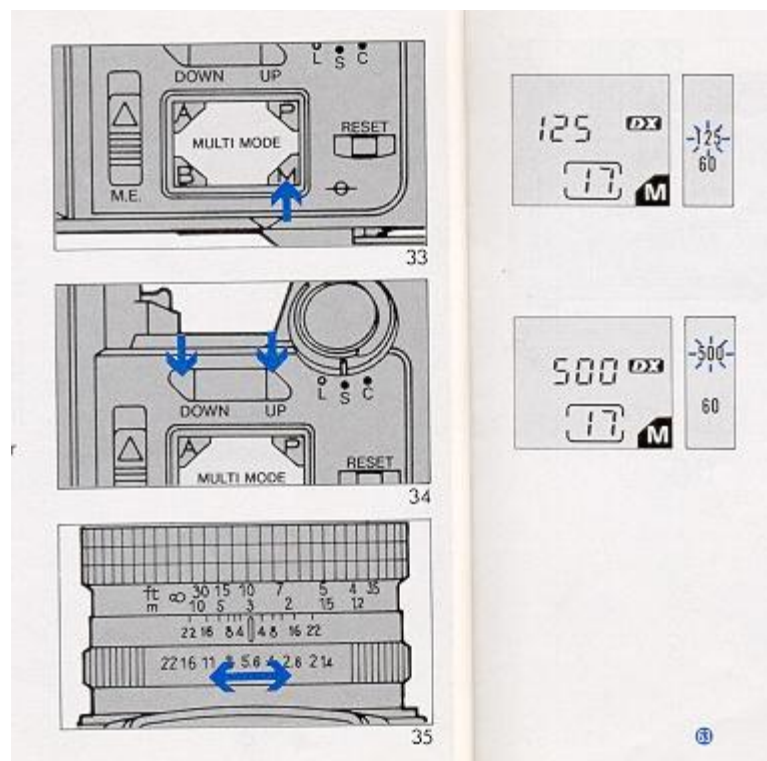
The following f-stop settings are general guidelines for your use.

With ISO 100 film

Lighting Conditions	F-Stop Number Range
Outdoors, sunshine	f/8-22
Outdoors, cloudy	f/2.8-5.6
Indoors	f/1.4-2.8

III. Taking Pictures In the "M" Mode

You can manually control the CP-7m by selecting shutter speeds and/or apertures individually.

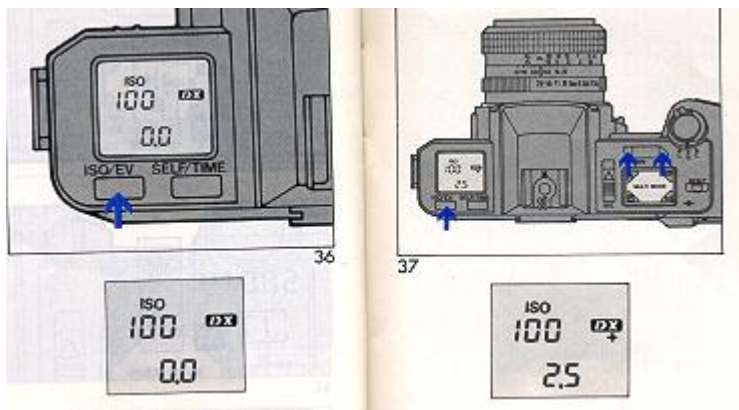


- 1. Set the exposure mode selector in the **M** position (Fig. 33).

- 2. Select the desired shutter speed by pressing the UP/DOWN button (Fig. 34). The shutter speed increases and decreases step by step. If the shutter speed disappears on the data panel, press the "M" again or press the shutter release button halfway.
- 3. Select the desired aperture by rotating the aperture ring (Fig. 35).
- 4. The metered shutter speed will light up and the selected shutter speed will blink in the viewfinder. Set the shutter speed and/or aperture so that the shutter speed LED lights coincide in the viewfinder.

EXPOSURE ADJUSTMENT (P, A MODE)

The camera exposure setting may be affected if there is a big gap between brightness of a main subject and background. This will result in under or over exposed pictures. In these cases, you should use the exposure adjustment system. You can also use the system when you wish to create a deliberate effect of over or under exposure. You can change the exposure factor up to four full stops either plus or minus in 1/2 EV (Exposure Value) increments



When using DX-coded film

1. Press the ISO/EV button to display ISO number and exposure adjustment (Fig. 36).
2. While pressing the ISO/EV button, press the UP/DOWN button to set your film speed to the desired exposure adjustment position (Fig. 37).
3. Be sure to return the exposure adjustment to "0" after use.

NOTE: "+" and "-" symbols indicate over- and under-exposure respectively.

Press the mode reset button to reset the exposure adjustment to "0".

You can confirm the adjusted value by pressing the ISO/EV bottom

When using non-DX film

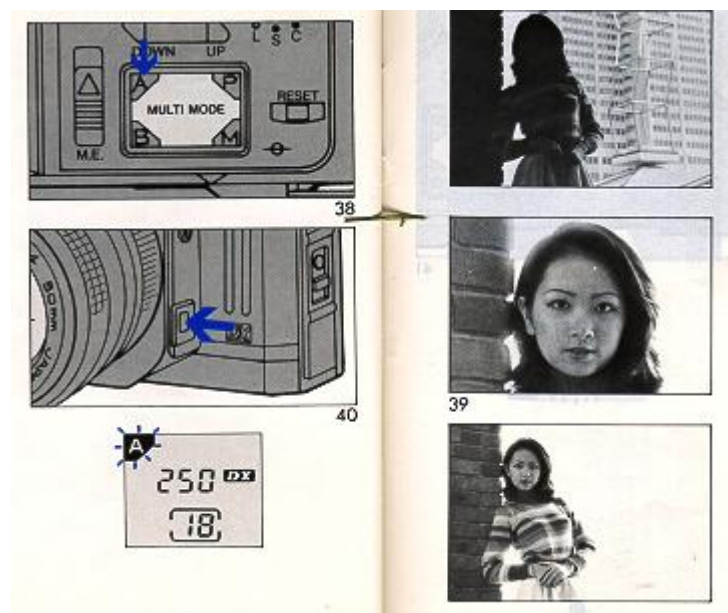
The adjusted value will not be displayed. While pressing ISO/EV button, press the UP/DOWN button to change the film speed for the proper exposure adjustment.

Exposure adjustment at ISO 100

Film speed	Adjusted value
ISO 25	+2 [EV]
ISO 50	+ 1
ISO 100	0
ISO 200	-1
ISO 400	-2

AE LOCK

Under normal circumstances, the CP-7m will produce perfectly exposed photographs, due to the integrated automatic exposure circuitry. However, some lighting conditions might occur that could misguide the system, such as subjects with a very high contrast or strongly backlit scenes. In such cases, the AE lock (exposure memory) system should be used.



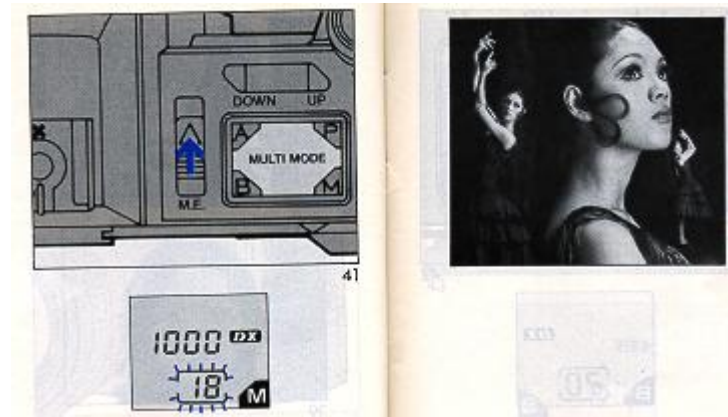
1. Set the exposure mode selector in the "A" position (Fig. 38).
2. Look through the viewfinder and center your subject in the split image/microprism center spot (Fig. 39). If necessary, approach the subject and use the tele-photo seeing when using zoom lenses.

3. While pressing the shutter release button halfway, press the AE lock button (Fig. 40). "A" will blink on the data panel. The exposure (shutter speed) will be memorized as long as the AE lock button is pressed.

4. Focus and compose the subject in the viewfinder as you desire then press the shutter release button all the way to take the photograph.

MULTIPLE EXPOSURE

The CP-7m is equipped with an unlimited multiple exposure provision.



1. Slide the multiple exposure switch in the direction of the arrow (Fig. 41). The film counter frame on the data panel will blink for 12 seconds after the panel is activated by partial depression of the shutter release.

2. Release the shutter to take the picture. The film will not advance and only the shutter will be charged; the film counter will not advance. You can make unlimited multiple exposures on any single frame.

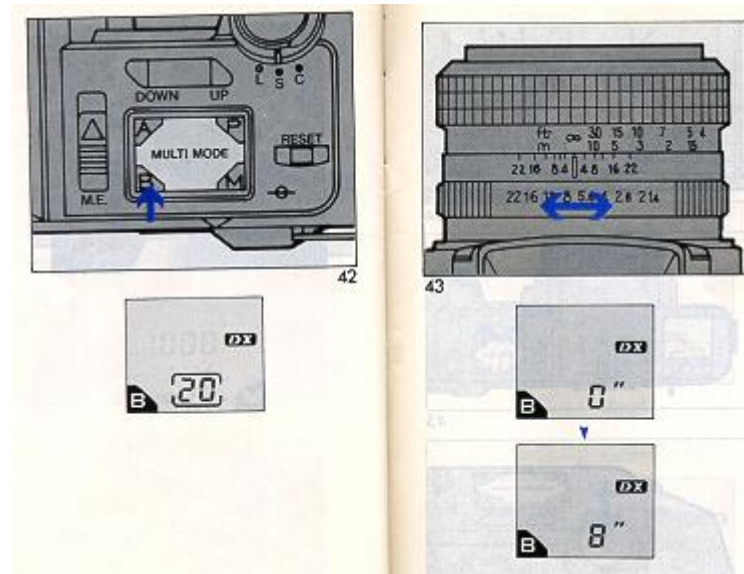
3. Set the multiple exposure switch to the original OFF position after use.

NOTE:

After taking a picture, and if the multiple exposure switch is moved to the OFF position with the film counter frame blinking, film will be advanced to next frame. After 12 seconds, the panel indicator will stop blinking. After that time, if the multiple exposure switch is returned to the OFF position, partial depression of the shutter release button or pressing any one of the exposure mode selector, the ISO/EV button or the SELF/TIME button will result in advancing the film one full frame.

BULB OPERATION (B MODE)

When shooting night scenes or long time exposure for more than 8 seconds duration, use "B" mode. The reflex mirror will shift to the open (up) position while the shutter release button is pressed. Use of a cable release and a tripod is recommended for stability to prevent vibration during exposures.



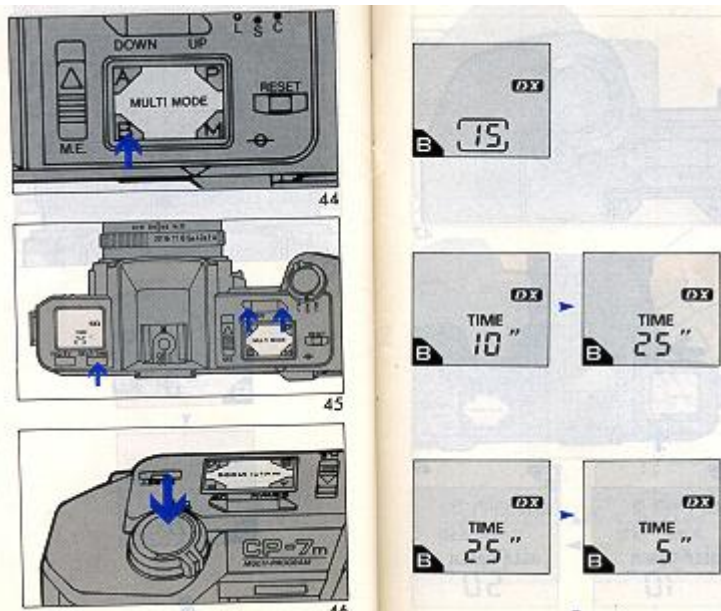
1. Set the exposure mode selector in the "B" position (Fig. 42).
2. Rotate aperture ring to set the desired f/stop (Fig. 43).
3. Press the shutter release button all the way to start the bulb operation. Elapsed exposure time is shown in the frame counter position in seconds up to 60 seconds, and in minute increments from 1 to up to 90 minutes.

NOTE:

- The maximum exposure time depends on battery capacity. Using new batteries is recommended for extremely long bulb operation.
- Use an eyepiece cover to prevent unwanted extraneous light.
-

Time exposure

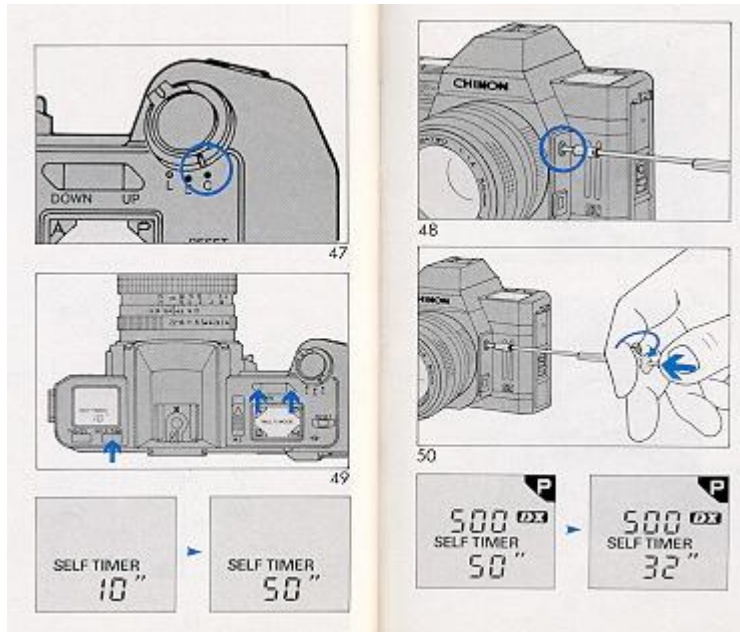
You can create a time exposure with an operating time of up to 90 minutes, in seconds up to 60 seconds and in minutes from 1 to up 90 minute.



- 1. Set to the exposure mode selector in the "B" position (Fig. 44).
- 2. While pressing the SELF/TIME button, press the UP/DOWN button to select the desired length of the bulb exposure (Fig. 45).
- 3. Fully depress the shutter release button to take the picture (Fig. 46).
 - Even after your finger is off of the shutter release button the shutter mirror will stay open.
 - The remaining time is displayed on the data panel.
 - To cancel the time exposure time, press the ISO/EV button if it is before commencing exposure, press the ISO/EV button or the SELF/ TIME button if it is during operation.

INTERVAL TIMER

The CP-7m features a unique interval timer that can be set for intervals of up to an incredible 90 minutes.



- 1. Set the main switch to the "C" position (Fig. 47).
- 2. Attach the cable release (optional accessory) (Fig. 48).
- 3. To set interval time (Fig. 49).
 - Press the SELF/TIME button. Interval time is automatically set at 10 seconds.
 - While pressing the SELF/TIME button, press the UP/DOWN button to set the desired interval time.
- 4. Push in the cable release and lock it in place (Fig. 50). The interval time (subtractive) is displayed on the film counter on the data panel.

DEPTH OF FIELD

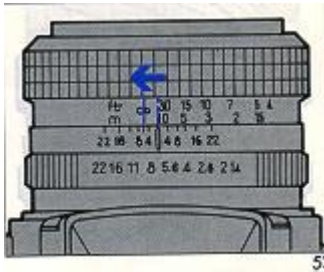
"Depth of field" designates the nearest and furthest limits of the area that will be sharply defined in the picture in front of and beyond the subject. Depth of field is controlled by f/stop ring on the lens. The larger the lens opening (f/stop), the shallower is the depth of field. The smaller the lens opening, the greater the depth of field will become (Fig. 51).



Depth of Field Scale:

The depth of field scale indicates (after focusing) the approximate area that will be sharp in the picture. Locate on the depth of field scale the corresponding pair of f/stop figures. The distance between these two f/stop figures on the focusing ring will be the area of greatest sharpness in your picture (Fig. 52).

INFRARED PHOTOGRAPHY



If you intend to take infrared photographs using infrared film and R2 or 02 filter, an extra focusing adjustment must be made. After focusing note the distance seeing aligned with the focus index, and move that figure over to the red infrared mark engraved on the lens (Fig. 53). Focus adjustment is not required when using infrared color films.

NOTE:

Read the instructions packed with the infrared film for further information.

MEMORY STORAGE

The metering display remains on for 12 seconds after the shutter release button has been depressed (halfway), or the exposure mode selector, ISO/EV button or SELF/TIME button is pressed once. After 12 seconds have passed, the metering display will disappear. The CP-7m is equipped with a condenser for memory backup which can store the information of frame number, film speed, exposure mode, exposure adjusted value and shutter speed set at M for up to five hours after the batteries are removed when all displays on LCD data panel comes to flicker (batteries almost exhausted).

OPTIONAL ACCESSORIES

· **Standard Lenses**

50 mm t/1.4 multicoated
50 mm f/1.7 multicoated
50 mm f/1.9

· **Wide angle Lenses**

17 mm t/3.5 multicoated
28 mm f/2.8 multicoated

· **Telephoto Lenses**

135 mm f/2.8 multicoated
300 mm f/5.6 multicoated
500 mm f/8 reflex type

· **Zoom Lenses**

28-70 mm f/2.8-4.2 multicoated

MACRO

35-80 mm f/3.5-4.8 multicoated

MACRO

35-105 mm f/3.5-4.5 multicoated

MACRO

35-200 mm f/4-5.6 multicoated

70-210 mm f/4-5.6 multicoated

MACRO

75-200 mm f/4-4.8 multicoated

MACRO

75-300 mm f/5.6 multicoated

MACRO

· **Auto Focus Lens**

35-70 mm f/3.5-4.5 multicoated

· **Accessories**

CHINON AUTO "S" series available Filters (ND2X, ND4X, 1A, PL, Y2 49 mm)

Hard rubber eyepiece.

Eyepiece adapter (-3, +1, +3)

Angle finder

Auto extension ring

Bellows Mini copy stand

Cable release (13 inch)

Deluxe carrying case

Wideband Strap with CHINON logo

Eyepiece cover

CARE OF THE CAMERA

Your CP-7m is a precision instrument. Used with care, it will provide years of service.

Protect your camera from dirt, rain, dampness and excessive heat. Avoid touching the lens.

To clean the lens wipe it gently with a soft lint less cloth or lens tissue. Do not use eyeglass tissues as they might damage the lens coating.