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Instruction booklet
Bedienungsanleitung
Mode d'emploi
Manual de instrucciones

④



YASHICA **107** MULTI
PROGRAM

Thank you for purchasing the Yashica 107 Multi Program. This is an AE single lens reflex with capabilities for Program AE modes and Manual mode. Its three Program AE modes are the High Speed Program AE, Low Speed Program AE and Normal Program modes.

This versatile Camera incorporates diverse features such as a CPU controlled exposure system, a viewfinder with a simplified exposure data panel, an electronic self-timer, and a direct TTL metering system. Before attempting to use the camera, please be sure to read the instruction manual carefully so as to ensure yourself of proper operation and years of trouble-free use.

The operating instructions in this manual are given with reference to the camera using the Yashica new ML 50mm f/1.9 lens, but they are still applicable using other interchangeable Yashica and Carl Zeiss lenses.

Vielen Dank, daß Sie sich für den Kauf einer Yashica-107 Multi Program entschieden haben. Dies ist eine AE Einzelobjektivreflexkamera mit den Möglichkeiten für Programmbelichtungsautomatik und manuelle Einstellung. Ihre Programmbelichtungsautomatik bietet drei Programme: das Hochgeschwindigkeitsprogramm, das Niedriggeschwindigkeitsprogramm und das normale Programm.

Diese fortschrittliche Kamera ist mit den verschiedensten Qualitätsmerkmalen ausgestattet, wie zum Beispiel einem CPU Belichtungssystem, Sucher mit vereinfachter Belichtungsdatenanzeige, elektronischem Selbstauslöser und direktem TTL-Meßsystem. Vor Gebrauch der Kamera lesen Sie bitte diese Anleitung aufmerksam durch, damit Sie mit allen Funktionen vertraut werden und jahrelang Spaß an Ihrer 107 Program haben.

Diese Anleitung ist für die Kamera mit einem Yashica-Objektiv ML 50 mm f/1,9 geschrieben, gilt jedoch gleichermaßen für andere Yashica und Carl Zeiss Wechselobjektive.

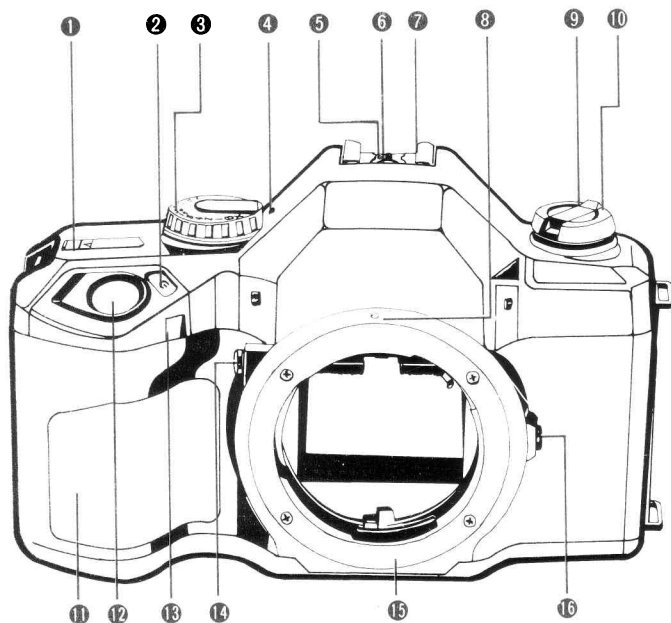
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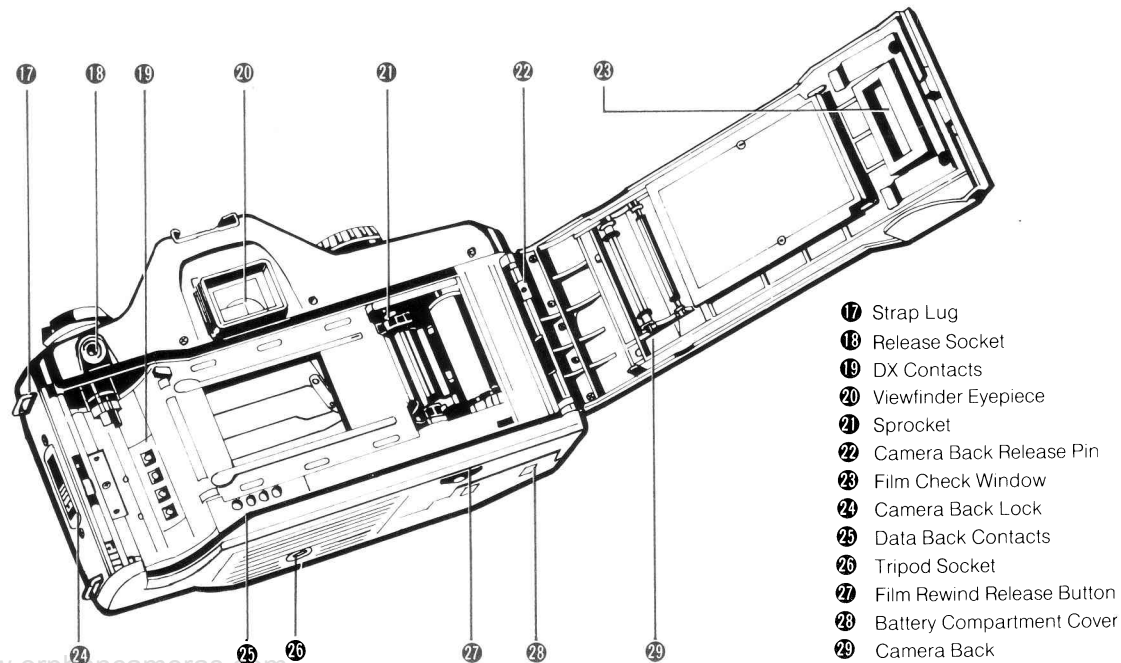
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Names of Parts



- ❶ Exposure Counter
- ❷ Self-Timer Button
- ❸ Shutter Control Dial
- ❹ Shutter Speed Index
- ❺ Flash Ready Signal Contact
- ❻ Direct X Contact
- ❼ Accessory Shoe
- ❽ Lens Mounting Index
- ❾ Film Rewind Crank
- ❿ Film Rewind Knob
- ⓫ Handgrip
- ⓬ Shutter Release
- ⓭ Self-Timer LED
- ⓮ Lens Release Button
- ⓯ Contax/Yashica Lens Mount
- ⓰ Exposure Compensation Button

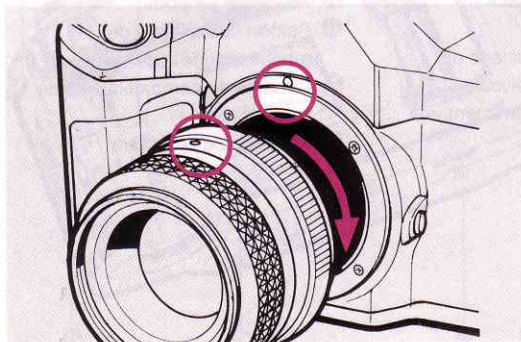


Lens Changing

< Mounting the Lens >

First remove the camera-body cap and then insert the lens mount into the camera-body mount, matching the red dot on the lens mount with that on the camera body. Then, gripping the lens barrel firmly, turn the lens clockwise until it locks with a click. When mounted correctly, the aperture/distance scale index on the lens will point toward the top of the camera.

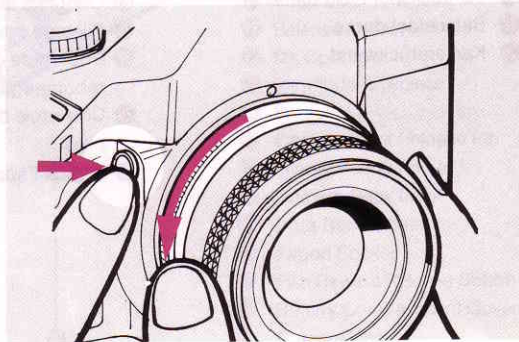
- When using a lens cap of the snap on type, attach or remove it from the lens by pressing in the two side-tabs.



< Removing the Lens >

While pressing the lens release button, turn the lens counterclockwise slightly and remove it from the camera-body mount. Always keep caps on the camera-body mount and the lens mount when the lens is left off the camera.

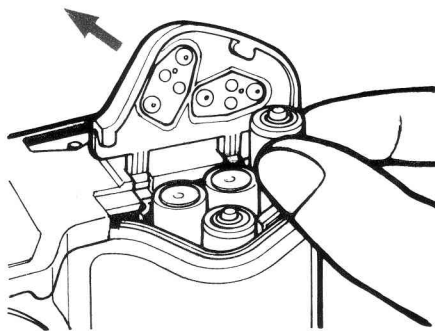
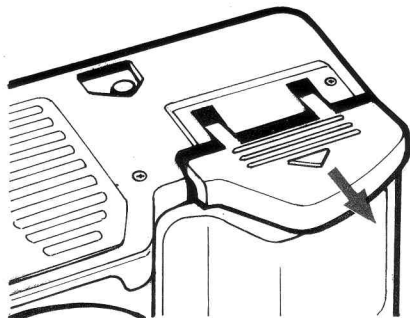
- Avoid touching camera interior or lens surface with your fingers.
- Avoid direct sunlight when removing or mounting the lens with film loaded in the camera.



Batteries Loading

The 107 Multi Program uses batteries as the power source to perform all necessary functions, including automatic film wind, exposure setting, shutter release, etc. Therefore, make sure that batteries are installed before using the camera. The camera will not operate without batteries. Use four 1.5V size – AAA alkaline batteries. Camera performance may be impaired if the batteries are not in top condition.

- ① Open the Battery Compartment Cover by pushing it in the direction of arrow.
- ② Insert four AAA-size batteries into the battery compartment as indicated by the Battery Label inside the battery compartment.
- Let the batteries slide into the compartment. Do not try to force them inside it.



Battery Check

Set the shutter control dial to any position other than **"OFF"**, then slightly push the shutter release. If the voltage of the batteries decreases, the mark "P" or "M" will blink at a slow speed (about 1 time per second) depends on the mode of exposure that is used. Even if this happens, the batteries probably still has enough power for exposing 2~3 rolls of film (24-exposures). But it is advisable to change the batteries as soon as possible.

If you continue to take pictures without changing the batteries, pushing the shutter release the marks "P", "M" and "  " will all blink at a slow speed (about 1 time per second) The camera will no longer be able to operate at all. The Reflexmirror of the camera may stop in half-way. In this case, change with a new one.

Incomplete winding of the film at the end of a roll may also cause the reflex-mirror stop in half-way. In this case, replacement of the batteries is unnecessary. Rewind the film and reset the camera after taken out the film.

Batteriekontrolle

Stellen Sie auf der Verschlusszeitenscheibe jede beliebige Einstellung außer **"OFF"** ein, drücken Sie dann leicht auf den Verschlussauslöser. Wenn die Spannung der Batterien nachläßt, wird die Markierung "P" oder "M" in langsamen Abständen aufleuchten (ungefähr einmal pro Sekunde), je nach der benutzten Belichtungsart. Selbst in diesem Fall haben die Batterien wahrscheinlich noch genug Energie für die Belichtung von zwei bis drei Filmrollen (24 Aufnahmen). Aber es ist ratsam, die Batterien so schnell wie möglich auszuwechseln.

Wenn Sie weiterfotografieren ohne Austausch der Batterien, indem Sie den Verschlussauslöser drücken, werden die Markierungen "P", "M" und "  " alle in langsame Abständen aufleuchten (ungefähr einmal pro Sekunde). Die Kamera ist dann nicht mehr funktionstüchtig. Das Spiegel der Spiegelreflexkamera kann auf halbem Wege halten. Setzen Sie in diesem Fall neue Batterien ein.

Die unvollständige Windung der Filmrolle am Ende der Rolle kann auch den Halt auf halbem Wege des Spiegel der Spiegelreflexkamera verursachen. In diesem Fall gibt es keine Not für Batterie Ersetzen. Die Filmrolle winden und das Kamera nach Filmrollebesichtigung wieder einfassen.

< Battery Precautions >

- When changing batteries, replace four batteries at the same time. Do not mix old and new batteries or those of different types.
- Batteries are apt to perform poorly in sub-zero temperatures, causing picture taking difficulties. Keep the camera as warm as possible and carry extra batteries just in case those in the camera should fail. Batteries affected by such extreme temperatures will recover power after being kept warm for a while.
- When installing batteries, wipe the cell cap and base clean. Oily residue on battery terminals could cause poor electrical contact.
- When going on extended trips, take along a spare set of fresh batteries.
- Do not throw batteries into a fire or attempt to take them apart.

< Vorsichtsmaßnahmen für die Batterien >

- Ersetzen Sie alle vier Batterien gleichzeitig. Verwenden Sie nicht alte und neue oder verschiedenartige Batterien zusammen.
- Bei Temperaturen unter Null nimmt die Batterieleistung ab, was zu Schwierigkeiten beim Fotografieren führt. Die Kamera möglichst warmhalten, und Ersatzbatterien mitnehmen, falls die Batterien in der Kamera versagen sollten. Die Spannung der bei sehr tiefen Temperaturen versagenden Batterien nimmt wieder zu, wenn diese eine Zeitlang warmgehalten werden.
- Vor Einsetzen der Batterien diese oben und unten sauberwischen. Oiler Rückstand auf den Batteriepolen kann unter Umständen einen schlechten elektrischen Kontakt verursachen.
- Wenn Sie auf längere Reisen gehen, nehmen Sie einen Satz frischer Batterien mit.
- Batterien weder in ein Feuer werfen noch zerlegen.

Film Loading

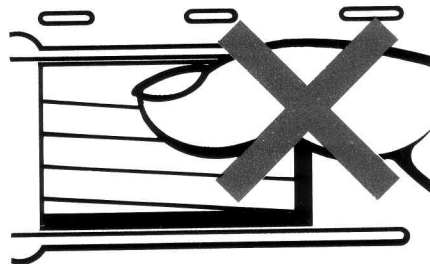
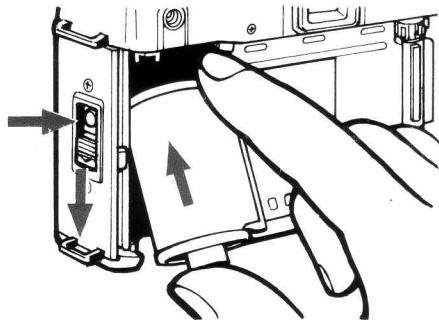
- 1 Set the Shutter Control Dial to any position other than "OFF", open the Camera Back and load the film.**

To open the Camera Back, push down the Camera Back Lock while pressing in the button on it.

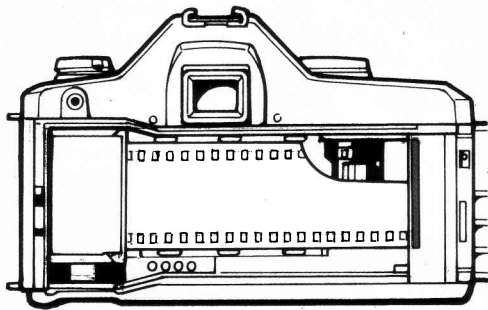
To insert the film, first fit the recessed end of the cassette to the shaft located on top of the film chamber and push it in. It will thus fit smoothly into position. Always load and unload film in subdued light.

- If you use DX-coded film, the camera will automatically set itself for the speed of the film loaded in it.

- Do not touch the shutter curtain and DX contacts.

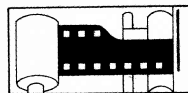


DO NOT TOUCH SHUTTER CURTAIN

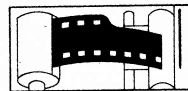


2 Insert the film tip as far as the orange mark (—) and close the Camera Back.

Extend the trimmed end of the film under the orange leader index as shown in the illustration. Make sure that the lower perforations of the film engage the teeth on sprocket. Then close the Camera Back.



○ Yes
Ja
Qui
Si



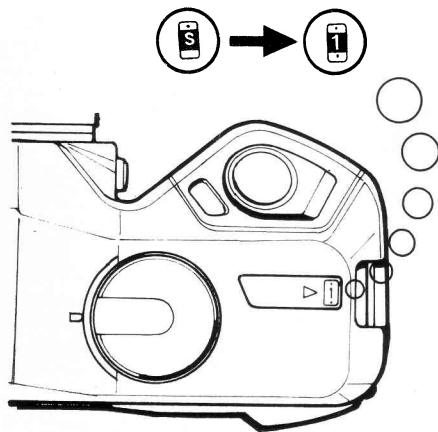
× No
Nein
Non
No

3 Slightly push the Shutter Release and the film will automatically advance to the first frame.

● If the film is advancing properly, the Exposure Counter will show "1" and you are ready to take pictures.

< Exposure Counter >

The exposure counter advances every time the automatic winding mechanism operates, and returns to "S" (Start) when the camera back is opened, regardless of whether or not there is film in the camera. The exposure counter starts with "S", then "1", followed by even numbers from "4" through "36". The odd numbers are indicated by dots marked between the even numbers. The orange-colored numbers "12", "24" and "36" correspond to the number of exposures in standard 35mm film cartridges.



Focusing

Focusing is done by using any element of its convenient three-way focusing system consisting of a split-image spot, a microprism collar and an outer matte field.

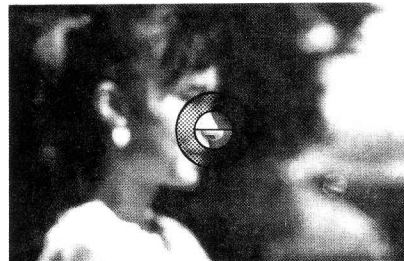
< Horizontal Split-image Spot >

When using the split-image spot to focus, turn the focusing ring until the top and bottom halves of the image merge. If the image is out of focus, the two halves will not merge.



In Focus

Schärf/Mise au point correcte/Enfocado



Out of Focus

Unschärf/Mise au point incorrecte/Desenfocado

< **Microprism Collar/Matte Field** >

To focus with the microprism collar, turn the focusing ring until the glittering effect disappears from the collar area, giving you a sharp, clear image when in focus.

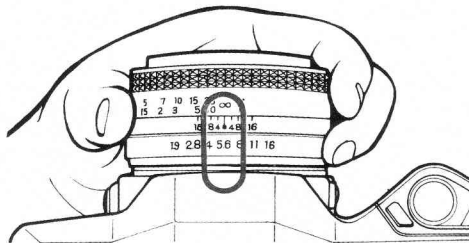
To focus with the outer matte field, turn the focusing ring until the image appears sharp and clear, free of foggy effect.

- When using a telephoto or other slow lens, or in close-up photography, the microprism collar and split-image may become dark and difficult to use for focusing. It can even happen that half of the split image circle becomes totally black. In such case, use the outer matte field for focusing.

Aperture Ring

The aperture ring regulates the amount of light transmitted to the film plane. The amount of light transmission is halved when the aperture is changed to the next large f value (for example, when $f/4$ is changed to $f/5.6$), and doubled when it is changed to the next smaller f value. The aperture also controls the depth-of-field, a lens property giving you varying depth in the plane of focus at different apertures.

To set the aperture, turn the aperture ring until the desired aperture setting is aligned with the aperture/distance index. The aperture ring can be used at in-between positions.



Shutter Control Dial

The function of the shutter is to control the length of time the film is exposed to light. On the 107 Multi Program, whether set in the Program AE or Manual exposure mode, the shutter speed is controlled by an electronic circuit incorporating a high precision quartz oscillator.

< Shutter Control Dial Settings >

"OFF" For switching off power, causing all camera functions to cease. Set the dial to "OFF" when not using the camera.

"PROGRAM" (Normal Program Model-**P**) ... For taking pictures in the general program AE mode.

"LP" (low-speed Program Mode) For taking pictures in the program AE mode that favors a shutter speed slightly slower than that selected in the Normal Program Mode.

"HP" (High-speed Program Mode) For taking pictures in the program AE mode that favors a shutter speed slightly faster than that selected in the Normal Program Mode.

"2000" ~ "1" For exposure settings using the Manual Exposure Mode. "2000", "500", "60", "1" represent usable shutter speed settings of 1/2000, 1/500, 1/60 and 1 second respectively. When the setting is shifted to a next larger number (for example, from 125 to 250), the exposure time is successively halved with each setting; conversely, when shifted to a next smaller number, the exposure time is successively doubled with each setting.

Verschluß -Einstellscheibe

Die Funktion der Verschlußzeitenscheibe ist die Steuerung der Belichtungszeit des Films. Bei der 107 Multi Program wird die Verschlußzeit sowohl in der Programm-AE-Betriebsart als auch in der manuellen Betriebsart durch einen elektronischen Schaltkreis bestimmt, der mit einem hochpräzisen Quarzoszillator arbeitet.

< Einstellungen der Verschlußzeitenscheibe >

"OFF" ... In dieser Einstellung sind alle Kamerafunktionen abgeschaltet. Die Scheibe auf diese Position einstellen, wenn die Kamera nicht benutzt wird.

"PROGRAM" (Normale Programmbetriebsart-**P**) ... Für normale Aufnahmen im Programm-Belichtungsautomatik-Betrieb.

"LP" (Niedriggeschwindigkeits-Programm) ... für Aufnahmen im Programm-Belichtungsautomatik-Betrieb mit etwas längerer Belichtungszeit als bei normalem Programmbetrieb.

"HP" (Hochgeschwindigkeits-Programm) ... Für Aufnahmen von sich schnell bewegenden Motiven im Programm-Belichtungsautomatik-Betrieb mit einer etwas kürzeren Belichtungszeit als bei normalem Programmbetrieb.

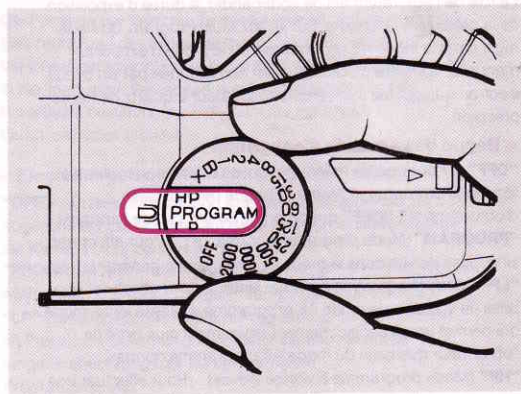
"2000" ~ "1" ... für Belichtungseinstellungen mit manueller Belichtungswahl. Die Zahlen "2000", "500", "60", "1" stellen die verwendbaren Verschlußzeiten von jeweils 1/2000, 1/500, 1/60 und 1 Sekunde dar. Wenn die Einstellung auf die nächstgrößere Zahl umgestellt wird (z.B. von 125 auf 250), wird die Belichtungszeit jeweils mit jedem weiteren Wert halbiert, umgekehrt wird bei Einstellungen einer kleineren Zahl die Belichtungszeit mit jedem Wert verdoppelt.

"B" The shutter remains open during the time the shutter release button is kept pressed so it is used for taking long exposure shots.

"X" for shooting flash when the camera is used with a non-dedicated flash unit. Operates camera at 1/90 sec. synch speed.

< Setting the Shutter Control Dial >

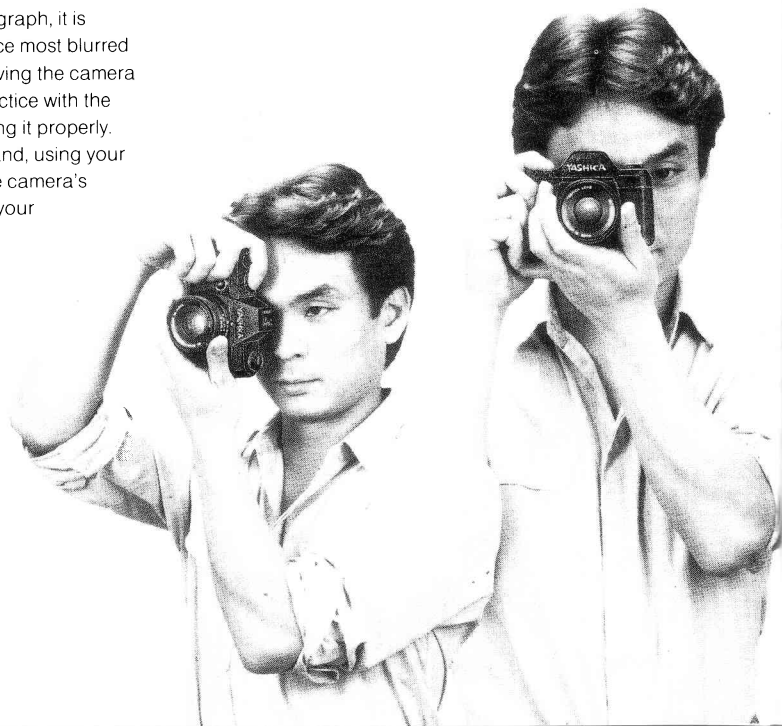
Set the shutter control dial by turning it until the desired click-stopped number or letter aligns with the shutter speed index.



Holding the Camera

In order to take a beautiful, in-focus photograph, it is necessary to hold the camera steadily. Since most blurred pictures are caused by camera shake (moving the camera at the instant of exposure), you should practice with the camera until you feel accustomed to holding it properly. Hold the camera in the palm of your left hand, using your fingers to rotate the focusing ring. Hold the camera's handgrip firmly in your right hand, resting your forefinger on the shutter release. With your left elbow against your body, hold the camera up to your face firmly, and while looking through the viewfinder, press the shutter release lightly. Besides the horizontal position, the camera can of course also be used to take pictures in the vertical position. In any event, practice until you find the positions that best suit your own photographic style.

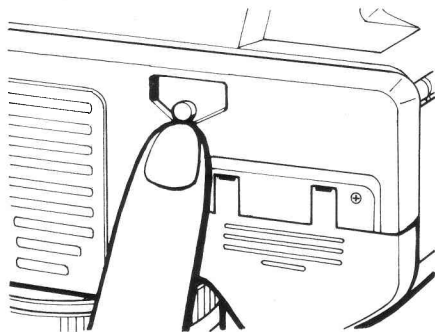
Depending on conditions, it may also be a good idea to stabilize the camera by leaning your body against a building, resting the camera on a fence or other support, etc.



Film Rewinding

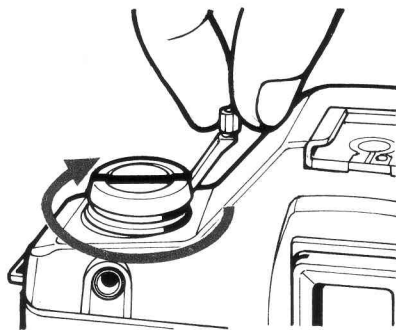
If the entire roll of film has been exposed, the camera will stop winding the film. Check the exposure counter, and when it shows you have completed a roll of film, always be sure to rewind the film into its cartridge before opening the camera back. After removing the film, have it processed as early as possible.

① Press the film rewind release button on the base of the camera. Continuous pressing is unnecessary as the button is an automatically resetting type.



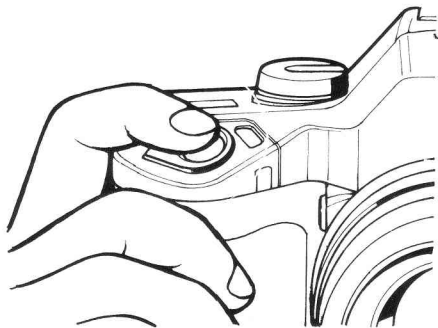
② Unfold the film rewind crank and turn it in the direction of the arrow. Keep turning until you feel a light resistance shortly before the film comes off the take-up spool and continue turning until the crank eventually rotates freely.

● Do not try to press the shutter release before the film completely rewound into its cassette to avoid damaging the shutter blades.



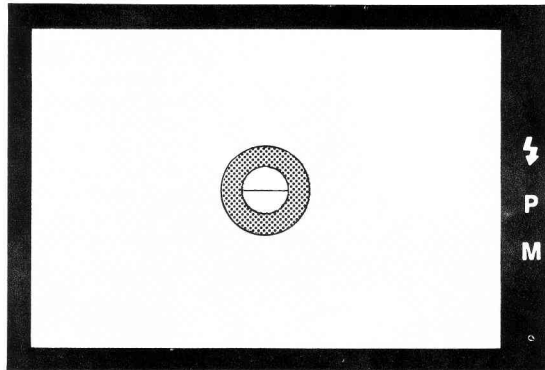
Metering System

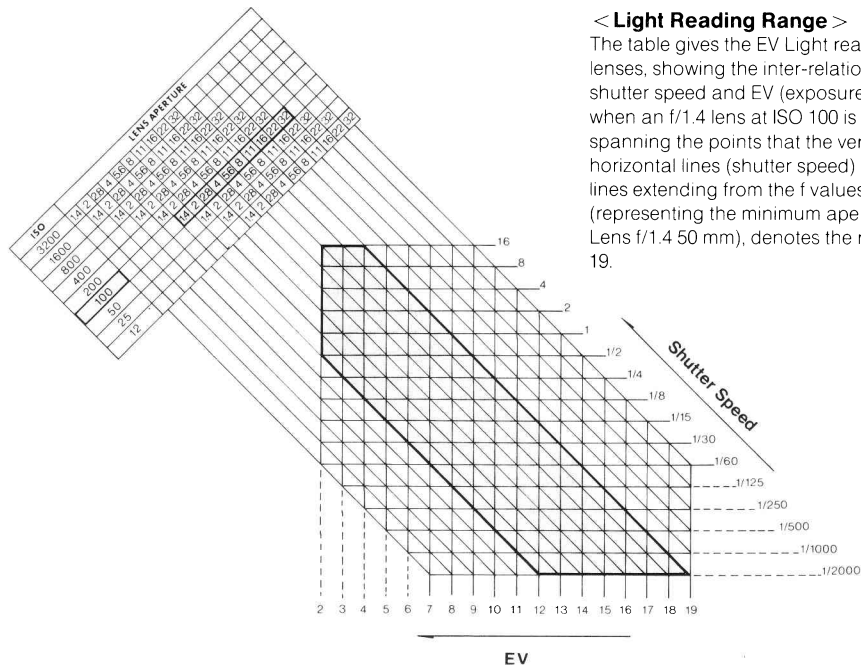
The 107 Multi Program features a TTL full-aperture metering system that measures the light coming through the lens at its maximum aperture. It is of the 'center-weighted' metering type which emphasizes the central portion of the viewfinder image while taking into account the surrounding area seen in the viewfinder.



< Built-in Exposure Mode LEDs >

When the shutter release is pressed lightly, the switch for the built-in exposure mode LEDs is turned ON and LED inside the viewfinder will indicate the mode of exposure in effect. Even after the finger has been removed from the shutter release, the LED remains ON for 8 seconds before automatically turning itself OFF. Since the exposure checking system is center-weighted, you can obtain optimum correct exposure by framing and metering your subject in the center of the viewfinder.





< Light Reading Range >

The table gives the EV Light reading range for various lenses, showing the inter-relationship between aperture, shutter speed and EV (exposure values). For instance, when an f/1.4 lens at ISO 100 is used, the reading range spanning the points that the vertical lines (EV) and the horizontal lines (shutter speed) intersect with the diagonal lines extending from the f values of "1.4" to "16" (representing the minimum aperture of the Yashica ML Lens f/1.4 50 mm), denotes the reading range from EV 2 to 19.

● EV numbers, which are used to indicate the coupling range of the light meter, denote the aperture and shutter speed combinations that yield the same exposure effect on the film for a given lighting condition. For example, when using EV 13 from the scale as a guide, it can be seen that the same exposure effect is attained using the combinations of f/16 at 1/30 sec and f/8 at 1/125 sec.

■ The EV numbers from 2 through 19, and the shutter speed from 16 to 1/2000 sec. represent the range over which the camera normally meters in the AE modes (P, HP and LP modes).

■ That part of the metering range which is shown in color denotes the light reading range when using an f/1.4 lens at ISO 100.

Exposure Mode Selection

Wahl der Belichtungs-Betriebsart

With the 107 Multi Program, the shutter control dial enables selection of any one of three program modes, and manual exposure mode to suit any photographic objective or requirement.

< Program AE Mode >

In the Program AE mode, the camera automatically selects the optimum combination of shutter speed and aperture settings for correct exposure according to lighting condition by using its pre-programmed matching shutter speed and lens aperture settings. This eliminates exposure worries, thus leaving you free to concentrate on composition and making it a boon when it is top priority on capturing those fleeting, decisive moments. For the desired objective, Program modes are available in Normal Program, High-speed Program and Low-speed Program.

① **"PROGRAM"** (Normal Program AE Mode) In this mode, the camera selects the correct balance of shutter speed and aperture settings, making it easy even for the novice to use the camera with confidence.

② **"HP"** (High-speed Program AE Mode) With this program mode, the camera sets apertures in combination with shutter speeds that are slightly faster than those selected in the Normal Program mode. It minimizes camera shake when using telephoto lenses.

Mit der 107 Multi Program können Sie die Verschlusszeitenscheibe zur Wahl einer der drei Programmbetriebsarten sowie zur manuellen Betriebsart einstellen und somit jedem fotografischen Anspruch gerecht werden.

< Programme-AE-Betriebsart >

In der Programm-AE-Betriebsart wählt die Kamera automatisch die optimale Kombination von Verschlusszeit und Blendeneinstellung entsprechend der Lichtsituation unter Verwendung der vorprogrammierten Verschluss- und Objektivblendeneinstellungen. Dadurch entfallen Belichtungssorgen, und Sie können sich ganz auf das Motiv konzentrieren und genau den richtigen Moment zum Auslösen finden. In der Programm-AE-Betriebsart stehen Ihnen drei Einstellungen zur Verfügung, das Normalprogramm, das Hochgeschwindigkeits-Programm und das Niedriggeschwindigkeits-Programm.

① **"PROGRAM"** (Normal-Programm-AE-Betriebsart) ... In dieser Betriebsart wählt die Kamera die korrekte Balance zwischen Verschlusszeit und Blende und macht es noch leichter, sogar für den Fotoanfänger, die Kamera mit Zuversicht zu benutzen.

② **"HP"** (Hochgeschwindigkeits-Programm-Belichtungsautomatik) ... In dieser Programm-Betriebsart wählt die Kamera Blenden-/Verschlusszeitenkombinationen mit kürzeren Belichtungszeiten als bei Normal-Programm-Betrieb. Die Gefahr des Verwackelns bei Teelaufnahmen wird dadurch auf ein Minimum reduziert.

③ **"LP"** (Low-speed Program AE Mode) With this program mode, the camera sets apertures in combination with shutter speeds that are slightly lower than those selected in the Normal Program mode. It provide a wider Depth-of-field than the "P" and "HP" modes.

< Manual Exposure Mode >

With this mode, you control the aperture and shutter speed settings in selecting the correct exposure combination needed to obtain the intended results or effect.

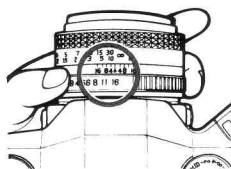
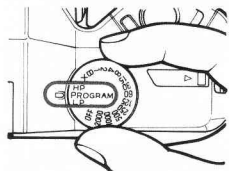
③ **"LP"**(Niedriggeschwindigkeits-Programm-Betriebsautomatik).

In dieser Programm-betriebsart wählt die Kamera Blenden-/Verschlußzeitenkombinationen mit längeren Belichtungszeiten als bei Normal-Programm-Betrieb. "LP" bietet eine größere Tiefenschärfe als die Programmbetriebsarten "P" und "HP".

< Manuelle Betriebsart >

In dieser Betriebsart stellen Sie sowohl Blende als auch Verschlußzeit selber entsprechend den von Ihnen gewünschten Bildeffekten ein.

Using the Program AE Modes



① Set the Shutter Control Dial to “PROGRAM”

This enables shooting in the Normal AE mode. To use the High-speed Program AE mode, set the dial on “HP”. To use the Low-speed Program AE mode, set the dial on “LP”. In both cases, the “P” mark will be displayed in the viewfinder, indicating the camera is in the Program AE mode. (Provide that the Exposure Mode LED is switched on.)

② Set Aperture at Minimum Aperture Setting

Turn the aperture ring to its minimum setting.



< Aperture Warning >

When the aperture of lens is too large to complete the program exposure, the "P" mark will blink quickly (about 6 times per second). In this case, reset aperture to the minimum setting.

- If no lens is mounted on the camera, the "P" mark will blink continuously.

③ Focus and Compose

Focus on subject using the focusing ring, and compose your picture at the same time.

④ Confirm Exposure and Shoot

Touch the shutter release lightly to check for correct exposure. If a solid green "P" mark appears in the viewfinder, press the shutter release all the way to effect exposure.

< Camera Shake Warning >

When the programmed shutter speed is 1/30 sec or slower, a rapidly blinking yellowish-green "⚡" mark appears. In this case, use flash or support the camera with a tripod.

See P. 74 for more on photography with the Yashica Flash.

< Warnung vor falscher Blendenöffnung >

Wenn die Objektivöffnung zu groß ist, um das Belichtungsprogramm durchzuführen, blinkt die Markierung "P" in kurzen Zeitabständen auf (etwa sechsmal pro Sekunde). In diesem Fall den Blendenring auf die kleinste Objektivöffnung zurückdrehen.

- Wenn kein Objektiv aufgesetzt ist, blinkt die Markierung "P" ununterbrochen.

③ Scharfeinstellung und Wahl des Bildausschnitts.

Das Kameraobjektiv mit dem Entfernungsring scharf einstellen und gleichzeitig den Bildausschnitt wählen.

④ Belichtungskontrolle und Aufnahme

Leicht auf den Auslöser drücken, um die richtige Belichtung zu überprüfen. Wenn eine tiefgrüne "P"-Markierung im Sucher erscheint, den Auslöser ganz drücken, um die Aufnahme zu machen.

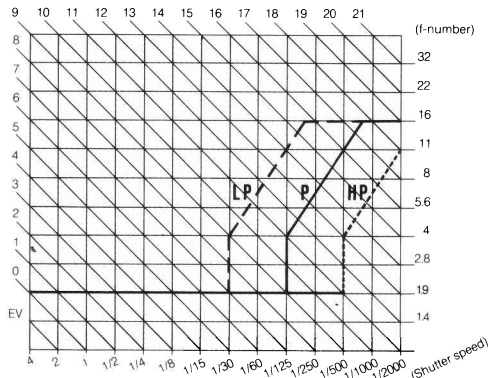
< Warnung vor Verwackelung >

Wenn die Belichtungszeit 1/30 Sekunde oder länger ist, erscheint ein schnell blinkendes gelblich-grünes "⚡"-Zeichen. In diesem Fall entweder mit dem Blitz arbeiten oder die Kamera auf einem Stativ befestigen.

Siehe S. 75 für weitere Hinweise für das Fotografieren mit dem Yashica-Blitz.

< Program AE Control Scale >

- 50 mm f/1.9 lens: set at f/16
- 50-mm-Objektiv f/1,9: Blende f/16 einstellen
- Objectif f/1,9 de 50 mm f/1,9: régler sur f/16
- Objetivo de 50 mm f/1,9: ajuste en f/16



P — Normal Program
 Normal-Programm
 Programme normal
 Programa normal

HP ... High-speed Program
 Schnell-Programm
 Programme à vitesse élevée
 Programa de alta velocidad

LP -- Low-speed Program
 Niedriggeschwindigkeitsprogramm
 Programme à vitesse lente
 Programa de velocidad lenta

The aperture and shutter speed combinations available in the High-speed Program, Normal Program and Low-speed Program AE modes are as shown in the accompanying scale. The scale shows the curves plotted for varying aperture and shutter speed combinations when using a 50mm f/1.9 lens.

● When using a lens with a maximum aperture under f/5.6, or with the Auto Bellows, Microscope Adapter and such other accessories which do not couple with the auto-diaphragm mechanism, the program AE mode cannot be used. In this case, use the manual mode to take your picture.

Manual Exposures

① Set the Sutter Speed

Turn the shutter control dial to the desired manual shutter speed setting.

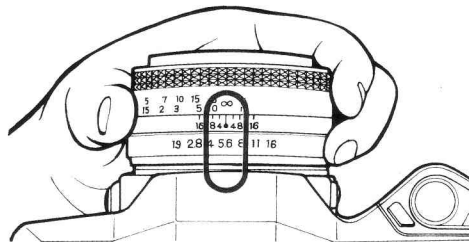
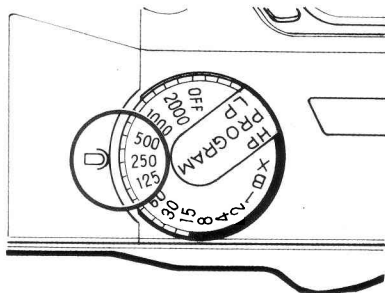
② Set the Lens aperture

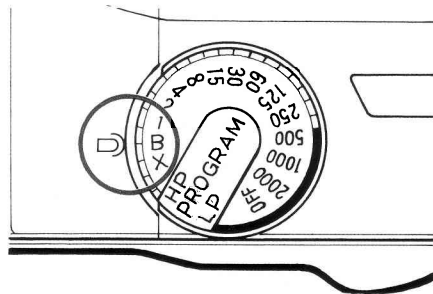
Turn the lens aperture ring to the desired aperture setting.

③ Shooting

Depress the shutter release all the way to effect exposure.

- Do not set the shutter control dial on in-between positions as it is not designed for intermediate shutterspeed control.





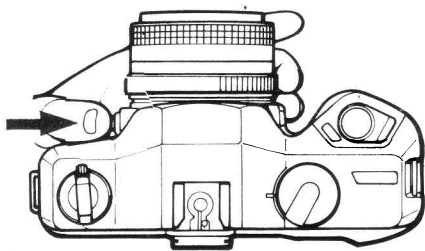
< “B” (Bulb) Photography >

When making photographs of stars, or other photography at night requiring long exposure times (1 second or longer), set the shutter control dial to “B” (Bulb). In this mode, the shutter will remain open, and the film will be exposed for as long as the shutter release is held depressed. In this case, camera shake is inevitable with hand-held photography, thus the camera should always be mounted on a tripod, or rested on a solid surface to keep it immobile. To further remove any possibility of camera shake, the Cable Switch (optional accessory) should be connected to the camera.



Exposure Compensation

In automatic exposure photography (**PROGRAM**, **HP** and **LP** modes), there may be situations where correct exposure is unattainable because of strong backlighting. In such case, push the Exposure Compensation Button during shooting to get an exposure of +1.5 compensation index.



+1.5EV



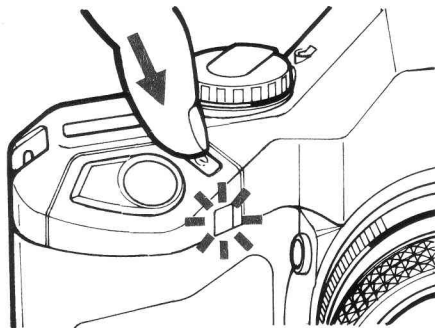
Quartz Self-timer

If you are shooting group pictures or if you want to include yourself in a souvenir picture, use the self-timer.

① First focus, then press the self-timer button to start the timer.

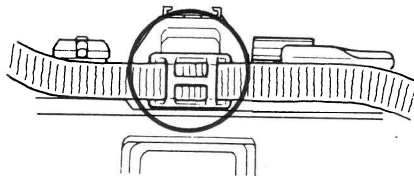
② Once the self-timer button is pressed, the self-timer LED will turn on for about 8 seconds, follow by 2 seconds of rapid blinking (about 6 times per second) before the shutter is tripped. You can cancel the self-timer at any time during countdown by turning the shutter control dial to **"OFF"** or by pressing the self-timer button again.

- The Shutter can be activated by pressing the shutter release even in the midst of a self-timer countdown. When this is done, the self-timer will be cancelled.
- When you want to have an exposure compensation in using the self-timer, press the self-timer button while pushing the exposure compensation button.



Stray Light Prevention Adaptor

A stray light prevention adaptor has been supplied with your camera for preventing stray light from entering the viewfinder when using the self-timer or remote control system. Slip it onto your carrying strap as illustrated, and use it by fitting it onto the viewfinder eyepiece.

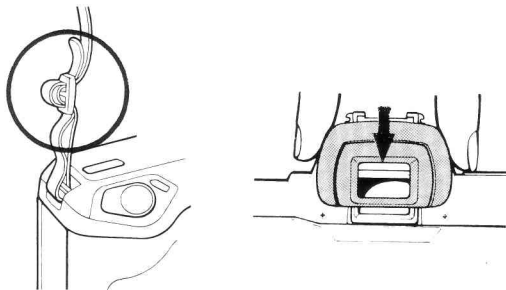


Attaching the Strap

Attach the Strap as shown in the illustration.

Attaching the Eyecup

Attach the Eyecup as shown in the illustration.

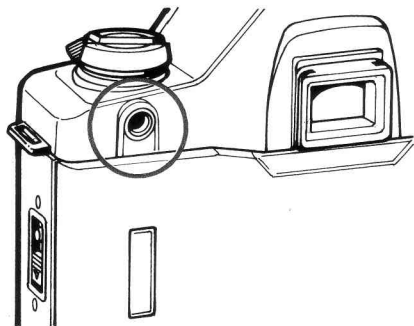


Release Socket/ Interchangeable Camera Back

< Release Socket >

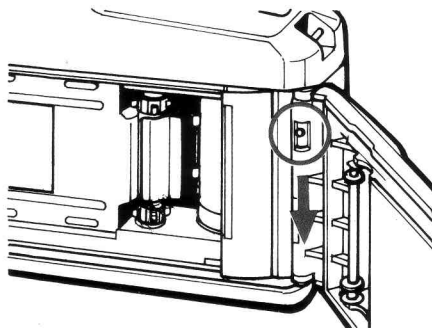
This socket may be used to attach remote control units as the Cable Switch, Infrared Controller and Radio Controller. It transmits electric signal from them to operate the shutter.

- Do not connect an ordinary cable release (mechanically operated type) to this release socket as this can cause damage to the socket device.



< Interchangeable Camera Back >

You can detach the Camera Back of this camera and install a Data Back DA-1 to print a date or time on your picture. It can be detached by pushing down the release pin.



Infrared Compensation Mark

Since shooting with monochrome infrared film (and red filter) will result in focusing on a different film plane than when using the normal focusing procedure, focusing must be compensated for this variance. Both Yashica ML and Zeiss T* lenses have an infrared compensation mark on the depth-of-field scale. First use the normal focusing procedure with the red filter off, then mount the filter and turn the focusing ring unit until the distance focused upon is opposite the compensation mark.

● Please refer to film guide sheet when using color infrared film.



*Infrared compensation mark
Infrarotkorrektur-Markierung
Repère pour infrarouge
Marca de compensación infrarroja*

Depth-of-Field



f11.9

One property of lenses is that when they are focused on a certain object, not only the subject itself, but all objects in a certain range in front and back of the subject will appear acceptably sharp in the picture. This range is called the depth-of-field. The depth-of-field of a given lens varies, as follows.

① If the aperture is stopped down, the depth-of-field increases; if the aperture is opened up the depth-of-field decreases.



f16

② As the distance to the subject increases the depth-of-field increases; as the distance to the subject decreases the depth-of-field decreases.

③ The depth-of-field is greater behind the subject on which the lens is focused than in front of it. Different lenses may have different depth-of-field limits. A lens of short focal length has greater depth-of-field at any set distance than a lens of long focal length.

< Depth-of-field Scale >

The actual depth-of-field of a lens is shown by a scale shown on the lens. For example, when a 50 mm lens is focused at 5 m and the aperture setting is f/16, objects at distances between the two "16" figures on the depth-of-field scale, in this case from about 2.7 m and infinity will appear acceptably sharp to the unaided eye.

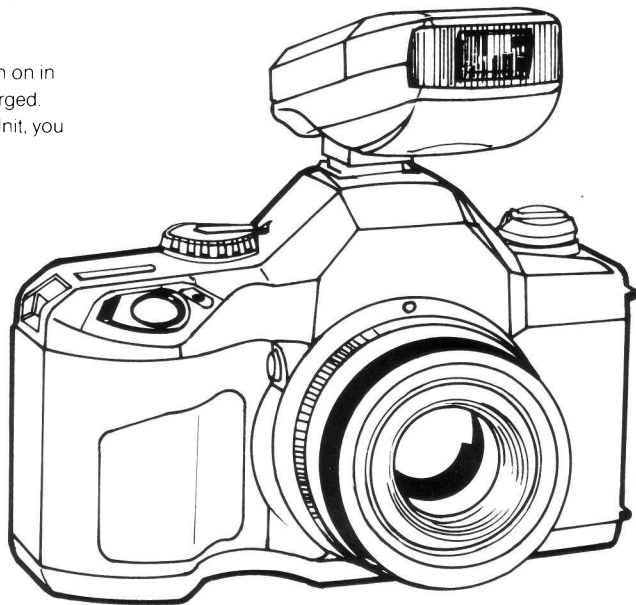


Depth-of-Field Scale
Schärfentiefskala
Graduations de profondeur de champ
Escala de la profundidad de campo

Flash Photography

If you are taking indoor or night-time pictures, use a compact Revue CS-140 Flash Unit. It will give you beautiful flash pictures. With this flash on the camera, a flash ready signal will automatically turn on in the viewfinder to indicate that the flash is fully charged.

- With the use of the Yashica CS-220 Auto Flash Unit, you can take auto flash exposure with ease.



< Flash Synch Speed >

Set the shutter control dial at "**LP**", "**HP**", "**PROGRAM**" or at any setting from "2000" through "125". When the flash unit completes recycling, the synch speed of 1/90 sec. is automatically set.

When the dial is set at "60" through "1", and at "X" or "B", the synch speed will be at the respective shutter settings.

< Dedicated Flash Signal Mark >

When dedicated flash unit is used, a flash ready LED mark "  " in the viewfinder will light upon recycling of the flash unit.

< Using Other Flash Units >

The synch contact of the 107 Multi Program is an X contact (1/90 sec.). Set the shutter control dial to "X" or at a shutter speed of 1/60 sec. or slower.

- When using other electronic flash or flash bulb unit, use one of the cordless type.
- With flash bulb units, use a shutter speed of 1/30 sec. or slower.

Camera Care

- Do not leave the camera in hot places (on an ocean beach in summer, in a parked car under direct sunlight, etc.) for a long time, because the camera, film and battery may be adversely affected.
- After taking pictures at the seaside or on mountains, clean the camera thoroughly. Salt air will cause corrosion, sand and dust will adversely affect the internal precision parts of the camera.
- To remove dust and dirt on the lens and viewfinder glass, use an air blower or a soft lens brush. If they are soiled with fingerprints, wipe off lightly with lens tissue. Remove dust and dirt on the mirror with a lens brush.
- The lens and viewfinder may be clouded if the camera is brought into a warm room from outside where it is cold. This cloudiness will disappear soon, but it is always advisable to avoid sudden temperature changes because water droplets will cause internal corrosion.
- If you are going to use the camera for important events such as an overseas trip or wedding ceremony, be sure to test it beforehand to make sure it functions properly. It is also advisable to bring a spare battery with you.

- To clean the camera exterior, wipe with a soft cloth. Never use benzine, thinner or other solvents.
- The camera contains high-voltage circuits. In case of malfunction, never try to disassemble it because it is dangerous.

Camera Storage

- Keep the camera away from heat, moisture and dust. Do not store it in a wardrobe drawer containing mothballs or in laboratory where there are chemicals that will cause damage to it.

To make full use of the capabilities of this camera, it is advisable to use our interchangeable lenses and accessories. We may not be able to make repair for the damage or trouble that might occur with products of other makes.

Specifications

Type: 35mm focal-plane shutter AE single-lens reflex camera with automatic film advance.

Picture Size: 24 x 36 mm

Lens Mount: Contax/Yashica bayonet mount.

Shutter: Electronic vertical-travel focal-plane shutter (CPU- controlled).

Shutter Speeds: Auto: 16 sec. to 1/2000 sec.; Manual: 1 sec. to 1/2000 sec. (12 steps); X sync; and B (Bulb).

Flash Synchronization: X contact; shutter speed automatically switches to 1/90 sec. when dedicated flash is fully charged; synchronizes at 1/90 sec. or slower in manual mode; flash mark "⚡" turns on with flash charged.

Self-timer: Quartz-timed electronic self-timer with 10 sec. delay. LED turns on during operation, blinks 2 sec. before activating shutter. Cancellable during countdown.

Shutter Release: Electromagnetic release with release socket.

Exposure Control: (1) Normal Program AE mode; (2) High-speed Program AE mode; (3) Low-speed Program AE mode; (4) Manual Exposure mode; and (5) Manual Flash mode.

Film speed settings: Automatic setting for DX film within the range ISO 50-3200 (for non-DX film, setting is ISO 100)

Metering System: TTL center-weighted by SPD (Silicon Photo Diode) cells.

Metering Range: EV 2-19 (ISO 100, f/1.4 lens). Metering switch activated by lightly touching shutter release button (automatically cutting off after 8 sec.)

Exposure Compensation: + 1.5 EV

Viewfinder: Eye-level, penta prism type. Shows 92% of picture area. 0.82 magnification (using 50mm lens set at infinity).

Focusing Screen: Horizontal split-image/micropism collar on matte screen.

Viewfinder Display: LED display positioned to the right of viewing area.

(P): Program AE indicator. (6 Hz blinking indicates incorrect aperture setting.)

(M): Manual Mode setting.

(): Flash Charge-completion display. (6 Hz blinking indicates camera shake warning – For Program AE modes only).

Film Winding: Automatic loading with built-in motor; automatic film positioning to first frame, automatic film advance.

Film Rewind: Pushing the rewind release button and using the film rewind crank.

Exposure Counter: Auto resetting, additive type.

Camera Back: Opened by pushing down camera back lock; detachable; provided with film check window.

Power Source: Uses four 1.5v size AAA alkaline batteries.

Battery Check: Self-timer LED, "P", "M" and " " mark LEDs used to check battery condition.

Others: Direct contact for data back.

Dimensions: 149 (W) x 93 (H) x 52 (D) mm
(5—7/8 x 3—11/16 x 2—1/16 in.)

Weight: 500 g (1.1 lbs) (without batteries).

* The above specifications and design are subject to change without notice.