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CONTAX



Instruction manual • Bedienungsanleitung
Mode d'emploi • Manual de instrucciones

ST

Thank you for your purchase of a Contax ST. This camera is a multi-mode auto-exposure single-lens-reflex camera which offers various sophisticated features such as aperture-priority auto exposure, spot metering, 1/6000 sec. high speed shutter on auto, and 1/200 sec. flash synchronizing speed. It also provides a large-size shutter speed dial which allows you to check the camera operation and information at a glance as well as an exposure mode selector lever for switching the operation quickly. The display can be illuminated when you take pictures in dim light. Before using the camera, please read this manual carefully through to use it correctly.

This manual uses a multi-mode Planar T* 50mm F1.4 (MM) lens equipped on the camera for explaining its operating procedures. However, you can also use it in the same way as described in this manual when it is equipped with other multi-mode Carl Zeiss interchangeable lenses.

Wir danken Ihnen, daß Sie sich für die Contax ST entschieden haben.

Bei dieser Kamera handelt es sich um eine einäugige Mehrbetriebsarten-Spiegelreflexkamera mit Belichtungsautomatik, die sich durch eine Reihe fortschrittlicher Merkmale auszeichnet, u.a. Belichtungsautomatik mit Blendenvorwahl, Spotmessung, eine sehr kurze Verschußzeit von 1/6000 Sek. bei Automatikbetrieb sowie Blitzsynchronisation bei 1/200 Sek.

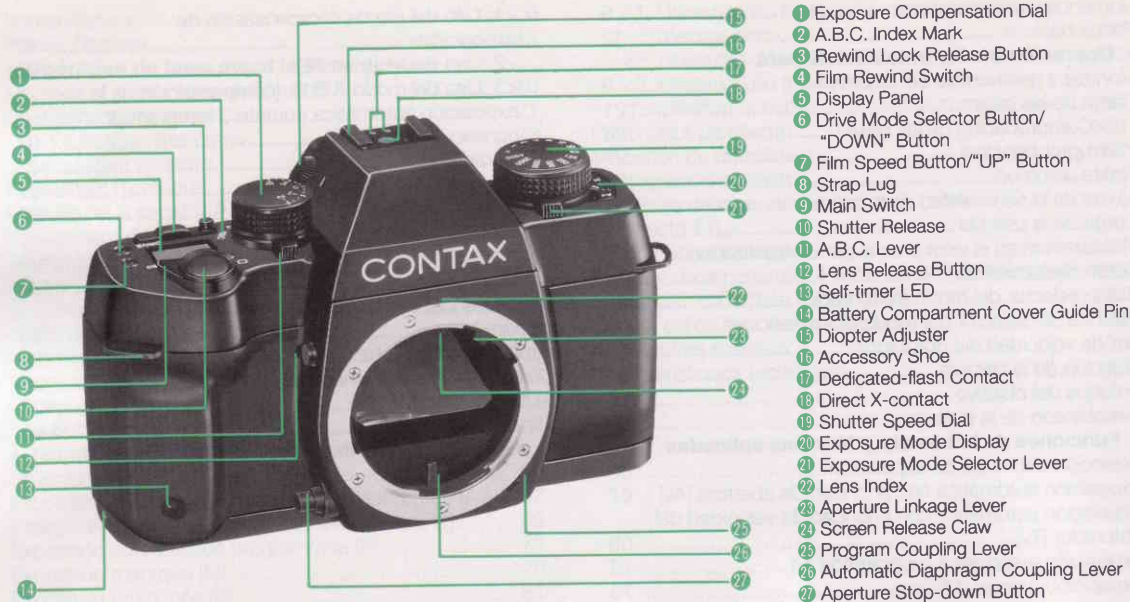
Darüber hinaus verfügt die Contax ST über einen großdimensionierten Verschußzeitenring, der Ihnen auf einen Blick eine Kontrolle der aktuellen Betriebsart der Kamera und verschiedener relevanter Informationen gestattet, sowie über einen Belichtungsbetriebsarten-Wahlschieber für schnelles Umschalten zwischen den einzelnen Betriebsarten. Bei Aufnahmen in schwachem Umgebungslicht kann der Monitor beleuchtet werden. Bitte lesen Sie diese Bedienungsanleitung vor Inbetriebnahme der Kamera aufmerksam durch, damit Sie mit allen Funktionen vertraut werden und optimalen Gebrauch von ihren Möglichkeiten machen können.

Die Erklärungen dieser Bedienungsanleitung gehen davon aus, daß ein Mehrbetriebsarten-Objektiv (MM) Planar T* f1,4/50 mm an der Kamera angesetzt ist, doch gelten die gleichen Bedienungsverfahren auch für alle anderen Mehrbetriebsarten-Wechselobjektive von Carl Zeiss.

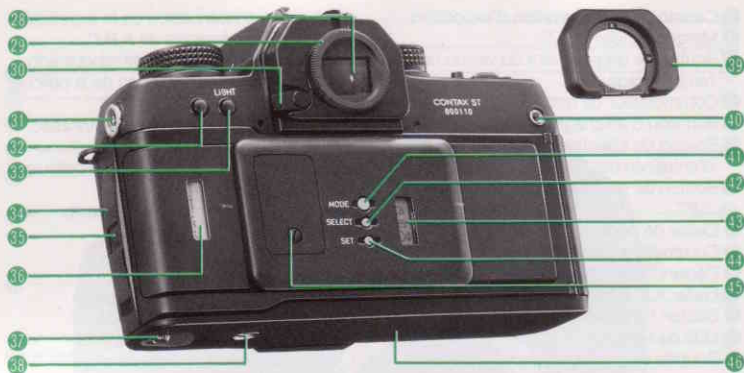
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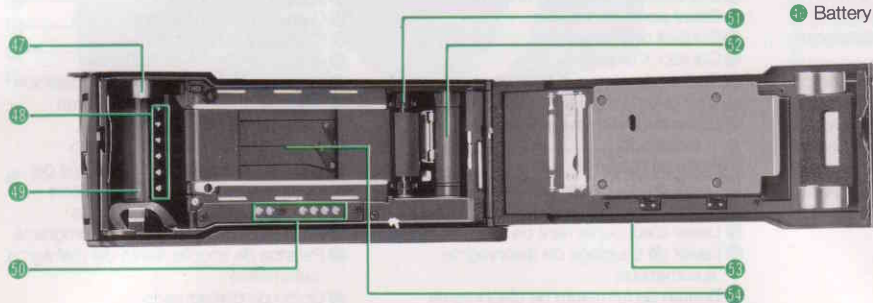
Names of Parts



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- 25 Viewfinder Eyepiece
- 26 Eyepiece Ring
- 29 Eyepiece Shutter Lever
- 31 Sync Terminal
- 32 Exposure Mode Lock Release Button
- 33 Illumination Button
- 34 Camera Back Opening Lever
- 35 Camera Back Lock Release Button
- 36 Film Check Window
- 37 Battery Compartment Cover Screw
- 38 Tripod Socket
- 39 Eyecup
- 40 Release Socket
- 41 Date Mode Button
- 42 Date Select Button
- 43 Date Display Window
- 44 Date Set Button
- 45 Dating-unit Battery Compartment Cover
- 46 Battery Compartment Cover

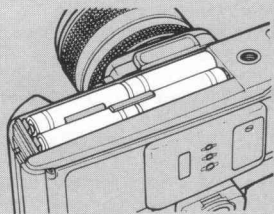


- 47 Film Mounting Spindle
- 48 DX Contact
- 49 Film Chamber
- 50 Data-back Contact
- 51 Sprocket
- 52 Spool
- 53 Camera Back
- 54 Shutter Curtain

Basic Steps/Grundlegendes Verfahren

Etapas de base/Pasos básicos

1



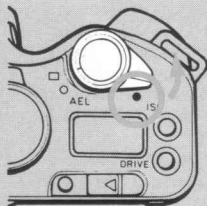
Load the batteries.

Legen Sie die Batterien ein.

Mettez les piles en place.

Inserte las pilas.

2



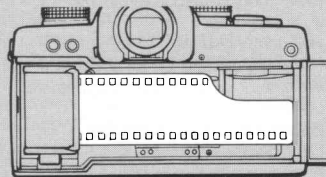
Turn on the main switch.

Schalten Sie den Hauptschalter ein.

Enclenchez le commutateur principal.

Conecte el interruptor principal.

3



Load film and pull out its tip as far as the orange " — " mark.

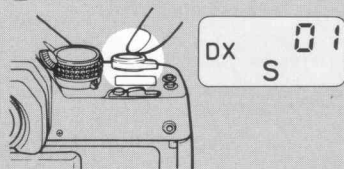
Legen Sie den Film ein und ziehen Sie den Filmanfang bis zur orangefarbenen Marke " — " aus der Patrone.

Chargez un film, sortez son amorce jusqu'à la marque orange " — ".

Cargue la película y saque su punta hasta la marca naranja " — ".

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4



Close the camera back, depress the shutter release and make sure that the exposure counter shows "01".

Schließen Sie die Kamerarückwand, drücken Sie den Auslöser und vergewissern Sie sich, daß die Anzeige "01" auf dem Bildzählwerk erscheint.

Fermez le dos de l'appareil, enfoncez le déclencheur et assurez-vous que le compteur de vues indique "01".

Cierre el respaldo de la cámara, presione el disparador y asegúrese de que el contador de exposiciones muestre "01".

Av

Aperture-priority auto exposure (see page 66)
Belichtungsautomatik mit Blendenvorwahl (Siehe Seite 67.)
Exposition automatique à priorité au diaphragme
 (voir page 67)
Exposición automática con prioridad en la abertura
 (vea la página 67)

Tv

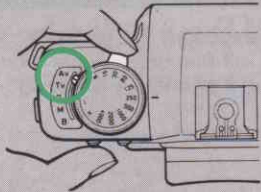
Shutter-speed-priority auto exposure
 (with MM type lenses only) (see page 68)
Belichtungsautomatik mit Verschlusszeitenvorwahl (nur bei Verwendung von Objektiven mit MM-Anschluß) (Siehe Seite 69.)
Exposition automatique à priorité à la vitesse
 (avec objectifs de type MM seulement) (voir page 69)
Exposición automática con prioridad en la velocidad del obturador (sólo con objetivos del tipo MM) (vea la página 69)

P

Programmed auto exposure
 (with MM type lenses only) (see page 72)
Programm-Belichtungsautomatik (nur bei Verwendung von Objektiven mit MM-Anschluß) (Siehe Seite 73.)
Exposition automatique programmée
 (avec objectifs de type MM seulement) (voir page 73)
Exposición automática programada
 (sólo con objetivos del tipo MM) (vea la página 73)

Av

5



Set the exposure mode selector lever to "Av".

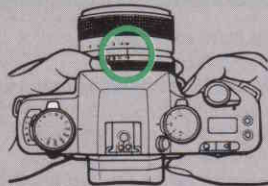
Stellen Sie den Belichtungsbetriebsarten-Wahlschieber auf "Av".

Placez le levier de sélection de mode d'exposition sur "Av".

Ajuste la palanca del selector de modo de exposición a "Av".

Tv

5



Set the exposure mode selector lever to "Tv" and the lens aperture to the minimum aperture (in green).

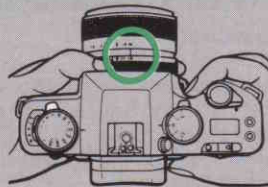
Stellen Sie den Belichtungsbetriebsarten-Wahlschieber auf "Tv" und wählen Sie am Objektiv den kleinsten Blendenwert (grün).

Placez le levier de sélection de mode d'exposition sur "Tv" et réglez l'objectif sur son ouverture minimum (vert).

Ajuste la palanca del selector de modo de exposición a "Tv" y la abertura del objetivo a la abertura mínima (en verde).

P

5



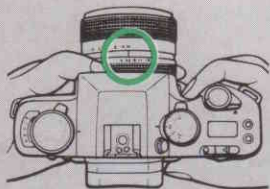
Set the exposure mode selector lever to "P" and the lens aperture to the minimum aperture (in green).

Stellen Sie den Belichtungsbetriebsarten-Wahlschieber auf "P" und wählen Sie am Objektiv den kleinsten Blendenwert (grün).

Placez le levier de sélection de mode d'exposition sur "P" et réglez l'objectif sur son ouverture minimum (vert).

Ajuste la palanca del selector de modo de exposición a "P" y la abertura del objetivo a la abertura mínima (en verde).

6



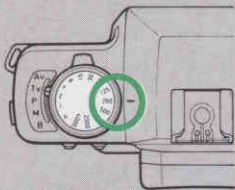
Set your desired aperture and shoot.

Stellen Sie das Objektiv auf den gewünschten Blendenwert ein und machen Sie die Aufnahme.

Réglez le diaphragme désiré et déclenchez.

Ajuste la abertura deseada y dispáre.

6



Turn and set the shutter speed dial to your desired speed and shoot.

Drehen Sie den Verschlusszeitenring, um die gewünschte Verschlusszeit einzustellen, und machen Sie die Aufnahme.

Tournez et réglez le cadran de vitesse d'obturation pour la vitesse désirée et déclenchez.

Gire y ajuste el control de la velocidad del obturador a la velocidad deseada y dispáre.

6



Focus the lens, compose your picture and shoot.

Stellen Sie das Objektiv scharf, wählen Sie den gewünschten Bildausschnitt und machen Sie die Aufnahme.

Effectuez la mise au point, composez votre photo et déclenchez.

Enfoque el objetivo, componga la imagen y dispáre.

Attach the Strap (standard accessory)

Attach the strap as shown in the illustration.



Anbringen des Tragriemens (Standardzubehör)

Bringen Sie den Tragriemen wie in der Abbildung gezeigt an.



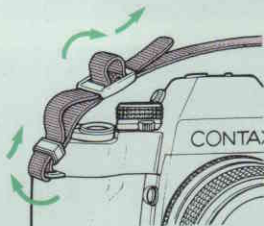
Fixation de la courroie (accessoire standard)

Fixez la courroie comme indiqué dans l'illustration.



Unión de la correa (accesorio estándar)

Una la correa como se muestra en la ilustración.



Attaching the Eyecup F-4 (standard accessory)

(standard accessory)

① Remove the eyepiece ring by turning it as shown.

② Attach the Eyecup to the eyepiece and fix the eyepiece ring again in place by screwing it in.



Anbringen der Augenmuschel F-4 (Standardzubehör)

① Drehen Sie den Okularring wie gezeigt, um ihn zu entfernen.

② Bringen Sie die Augenmuschel am Okular an und schrauben Sie den Okularring wieder ein.



Fixation de l'ocilleton F-4 (accessoire standard)

① Retirez la bague de l'ocilleton en la tournant comme indiqué.

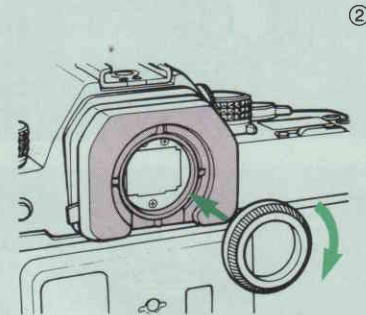
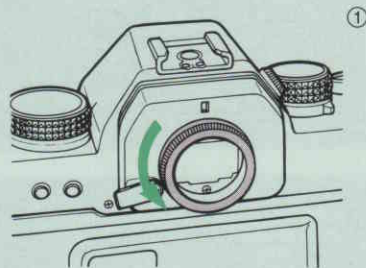
② Fixez l'oculaire sur l'ocilleton et fixez la bague de l'ocilleton de nouveau en place en la vissant.



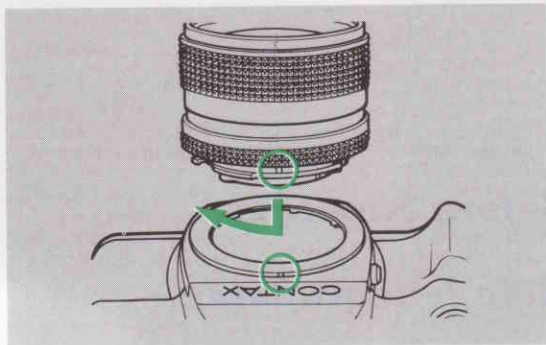
Unión del marco del ocular F-4 (accesorio estándar)

① Extraiga el anillo del ocular girándolo como se muestra.

② Una el marco del ocular en el ocular y fije el anillo del ocular en su lugar enroscándolo.

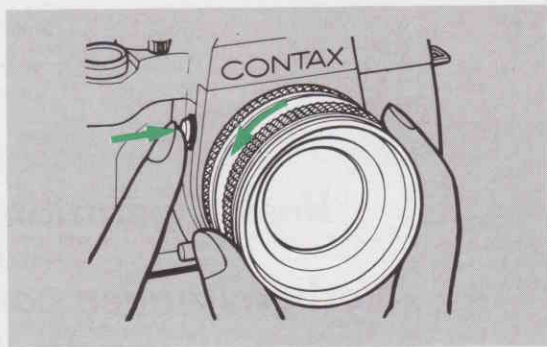


Mounting and Dismounting the Lens



<Mounting the Lens>

First, remove the camera's body cap and the lens' rear cap by turning them counterclockwise. Then, align the red dot on the lens with the lens index on the camera, fit it in and turn it clockwise until it locks with a click.

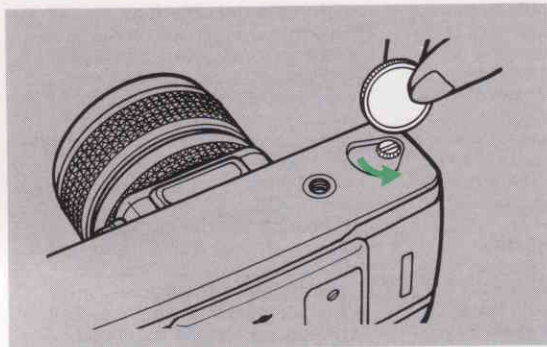


<Dismounting the Lens>

While pressing in the lens release button, turn the lens counterclockwise as far as it will go and pull it out toward you. After dismounting the lens from the camera, protect the lens with the rear cap, and the camera with the body cap.

- Do not touch the lens surface and camera inside with your fingers when attaching and detaching the lens.
- Avoid direct sunlight when changing the lens with film loaded in the camera.

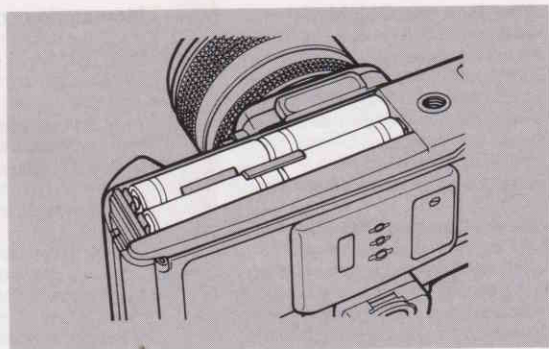
Loading the Batteries



All of the major functions of this camera including the shutter, film winding, and rewinding are battery operated.

The camera does not operate without batteries.

1 With a coin, loose the battery compartment cover screw on the camera bottom and remove the cover.



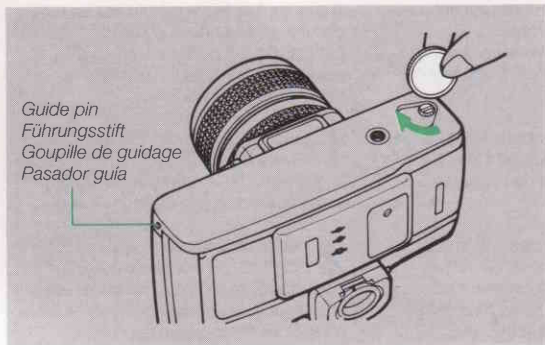
2 Insert the batteries with the plus \oplus and minus \ominus ends correctly, as illustrated inside the battery compartment. If batteries are loaded with their \oplus and \ominus ends incorrectly, the camera does not operate and may even cause malfunctioning.

* The batteries packed with the camera are sample batteries. They can be used only for testing the camera operation.

Use four 1.5V AAA-size alkaline batteries.

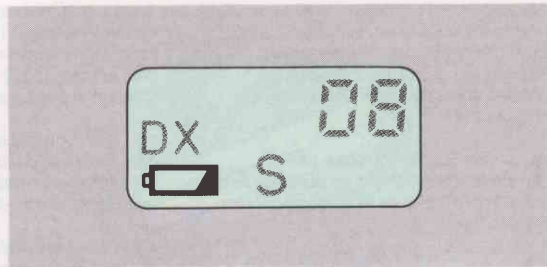
- You can also use rechargeable NiCd batteries.
- AAA-size manganese batteries cannot be used because their capacity is too low.

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


3 Fit the guide pin on the camera into the fixing hole in the battery compartment, replace the cover and fix it in place by turning the locking screw in the direction of the arrow as shown as far as it will go.


Guide pin
Führungsstift
Goupille de guidage
Pasador guía





<Battery Check>

The battery voltage is normal if the mark "  " (battery warning mark) does not appear in the display panel. For details on the display in the panel, see page 40.

<Battery Replacement>

If the mark "  " turns on in the display panel, it is time to replace the batteries. Set the main switch at OFF, open the battery compartment cover and change the batteries with new ones.

- Though you can take picture even after the mark "  " has turned on, it is recommended to replace the batteries as soon as possible. Be careful because the mark "  " will blink or go out and the camera will no longer operate if the battery capacity has dropped below the effective limit. In this case, the last picture you took may not turn out correctly exposed.

<Battery Precautions>

- Always replace the batteries with new ones of the same type. Do not mix different kinds of batteries or new and old batteries. Always use four new batteries of the same type and brand.
- Generally, battery performance is reduced by cold temperatures. If you are shooting in cold weather, it is advisable to keep the camera warm in a bag or an outfit for protection against cold. The battery performance reduced by low temperatures will return to normal when you take pictures at an ordinary temperature.
- Before loading the batteries, wipe both poles clean with a dry cloth because poor contact may result if they are soiled with sweat or grease.
- Do not throw used batteries into fire or try to charge or disassemble them because it is dangerous.
- If you are going on a long trip, bring a new set of spare batteries with you.

Battery types and their capacities (Number of rolls of 24-exposure film that can be exposed with new batteries; according to Contax testing standard)

Type of Battery	Ordinary temperature
Four 1.5V alkaline batteries (AAA size)	About 50
Four 1.2V Ni-Cd batteries (AAA-size)	About 30*

* When fully charged.

<Vorsichtsmaßregeln für die Batterien>

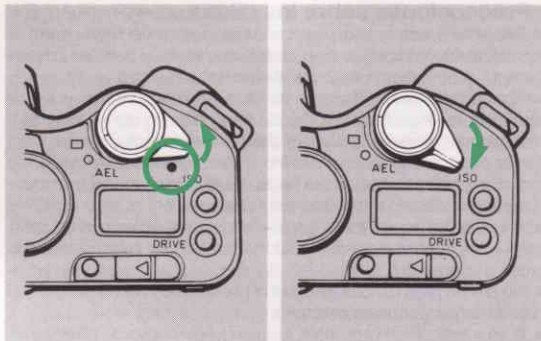
- Tauschen Sie immer alle Batterien gleichzeitig gegen frische Batterien des gleichen Typs aus. Mischen Sie nicht alte und neue Batterien und solche verschiedener Typen. Verwenden Sie immer vier neue Batterien des gleichen Typs and Fabrikats.
- Bei Temperaturen unter Null nimmt die Batterieleistung vorübergehend ab. Beim Fotografieren in kaltem Wetter sollten daher frische Batterien verwendet und die Kamera vor den Aufnahmen warmgehalten werden. Die durch tiefe Temperaturen beeinträchtigte Batterieleistung wird jedoch wiederhergestellt, wenn Aufnahmen später bei normaler Temperatur gemacht werden.
- Vor dem Einlegen der Batterien beide Pole mit einem trockenen Tuch abreiben, da bei einer Verschmutzung der Pole mit Schweiß oder Fett kein einwandfreier elektrischer Kontakt gewährleistet ist.
- Verbrauchte Batterien auf keinen Fall in ein offenes Feuer werfen, aufzuladen versuchen oder zerlegen, da Verletzungsgefahr besteht!
- Wenn Sie auf längere Reisen gehen, nehmen Sie einen Satz frischer Batterien als Reserve mit.

Batterien und ihre Kapazität (Anzahl von Rollen 24er Films, die mit frischen Batterien belichtet werden können; diese Angabe beruht auf Contax-Testbedingungen.)

Batterietyp	Normaltemperatur
Vier 1,5-V-Alkalibatterien (AAA)	ca. 50
Vier 1,2-V-NiCd-Akkus (AAA)	ca. 30*

* Im vollständig aufgeladenen Zustand.

Main Switch



ON position/Position EIN
Position ON/En la posición ON

OFF position/Position AUS
Position OFF/En la posición OFF

The main switch turns on and off the camera and sets it for center-weighted average light metering (□), spot metering (○), or spot metering AE lock (AEL).

- The main switch should be locked at a click position when shooting to prevent it from shifting by mistake.

OFF : Red mark not visible....When the red mark is not visible, the main switch is set at OFF, turning off the camera.

If you are not using the camera, turn off the main switch to prevent the shutter from tripping inadvertently.

“□” mark....At “□”, the camera is turned on and set for center-weighted average light metering.

This mode is convenient for ordinary shooting.

- For details on center-weighted average light metering, see page 82.

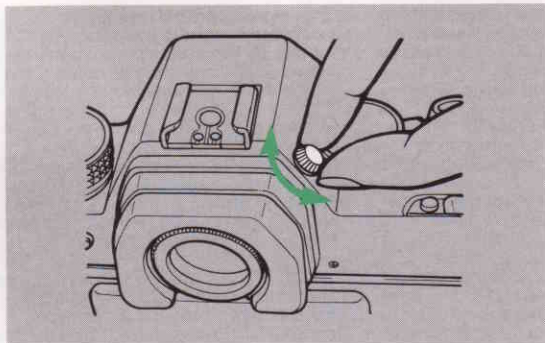
“○” mark....At “○”, the camera is turned on and set for spot metering.

- For details on spot metering, see page 82.

“AEL” mark....At “AEL” the exposure value measured by spot metering is locked. The AE lock is useful for shooting backlit subjects or if you want to shoot moving subjects continuously with a fixed exposure.

- For details on AE lock, see page 92.

Diopter Adjustment



This camera has a built-in diopter adjustment unit. To adjust the viewfinder eyepiece to your eyesight, turn the diopter adjuster until the circle in the center of the viewfinder appears sharp and clear. The adjustable range is from +1 to -3 diopters.

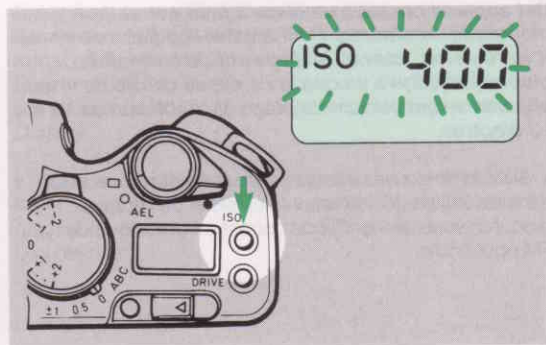
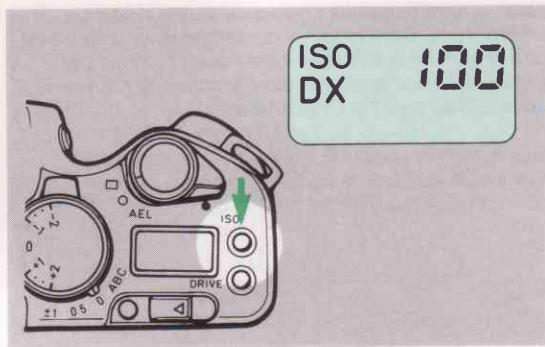
- If you cannot adjust the eyepiece to your eyesight within the camera's diopter adjusting range, acquire an optional FM type diopter corrector lens.

Dioptereinstellung

Diese Kamera verfügt über eine eingebaute Dioptereinstellung. Um das Sucherokular auf Ihre Sehschärfe einzustellen, drehen Sie den Dioptereinsteller, bis der Kreis in der Suchermitte scharf erscheint. Der Einstellbereich beträgt +1 bis -3 Diopter.

- Wenn sich mit Hilfe des eingebauten Dioptereinstellers keine einwandfreie Einstellung erzielen läßt, empfiehlt sich der Gebrauch der als Sonderzubehör erhältlichen FM-Diopterlinsen.

Setting the Film Speed



The film speed can be set in two ways: automatic setting with DX codes and manual setting.

- If you are using DX film, you need not set the film speed because the camera's film speed has been factory set at "DX" and the camera will automatically set itself to the ISO speed of the film you are using.
- Once set, the film speed will not change until it is set to another value.

<Film Speed Button>

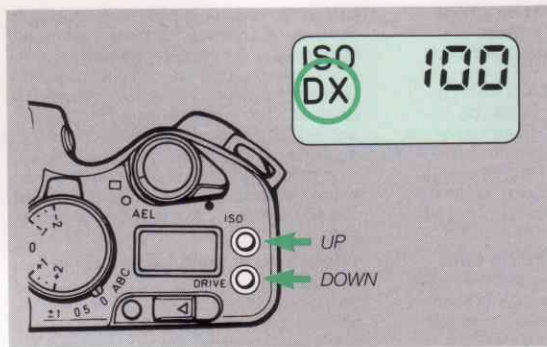
If you press the film speed button, the film speed being set will turn on in the display panel. And if you keep on pressing it for about 1.2 seconds or more, the film speed will start to blink, which means that the camera has been switched to the film speed setting mode. You can now change the film speed.

<Automatic Film Speed Setting with DX Codes>

Set the film speed to "DX".

If the film speed has been set to "DX" and you are using DX film, the camera will automatically set itself to the speed of the film you are using. DX films are available in a range of ISO speeds from 25 to 5000. The DX mark and film speed are printed on the film box.

1 Press the film speed button for about 1.2 seconds or more. The film speed in the display panel will start to blink. As soon as it starts to blink, remove your finger from the button.



2 Press the "UP" button (film speed button) or "DOWN" button (drive mode selector button) so that the letter "DX" appears in the display panel. The setting operation is completed when "DX" appears in the panel.

"DOWN" Button
 "DOWN"-Taste
 Bouton "DOWN"
 Botón "DOWN"



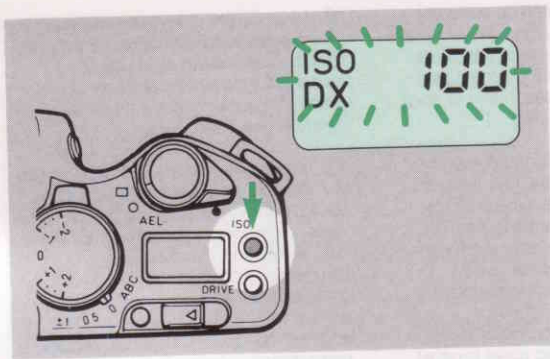
"UP" Button
 "UP"-Taste
 Bouton "UP"
 Botón "UP"



DX 6 12 14 165000 6400 DX

(The numbers will change in succession if you hold on the button.)
 (Wenn Sie die betreffende Taste gedrückt halten, ändern sich die Ziffern fortlaufend.)
 (Les chiffres changent successivement si vous maintenez un bouton enfoncé.)
 (Los números cambiarán sucesivamente si mantiene presionado el botón.)

- The film speed will continue to blink for 8 seconds after you have removed your finger from the button, and remain on with steady light for 8 more seconds. If you depress the shutter release or change the exposure mode or other camera settings, the display mode will switch from the film speed to the exposure counter.
- The film speed will change if you press the "UP" or "DOWN" button while it blinks.
- If the camera is loaded with non-DX film, the film speed will be automatically set to ISO 100.



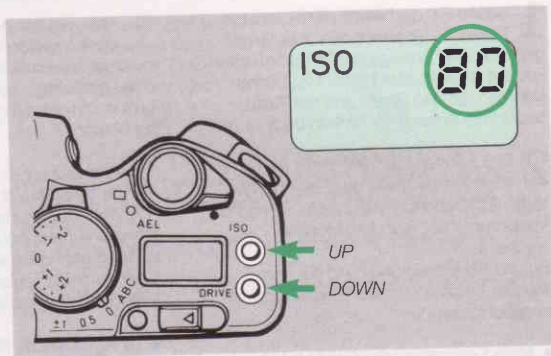
<Manual Setting of the Film Speed>

If you are using non-DX film, or if you want to change the film speed from that of the film you are using, set the film speed manually.

1 Press the film speed button for about 1.2 seconds or more. The film speed in the display panel will start to blink. As soon as it starts to blink, remove your finger from the button.

2 Press the "UP" or "DOWN" button until your desired film speed appears in the display panel. The setting operation is completed if the desired film speed is displayed.

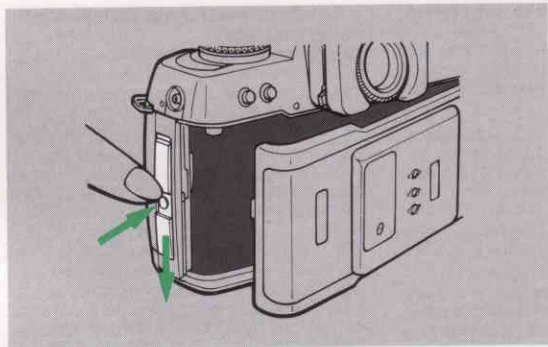
- You can set the film speed in 1/3-step increments in a range of ISO 6 ~ 6400.



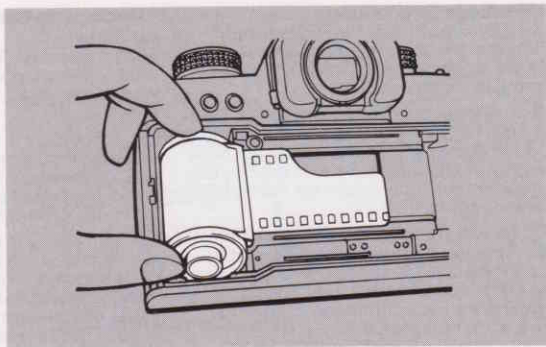
■ If you press the "UP" button, the film speed will increase by a 1/3 step each. ■ If you press the "DOWN" button, the film speed will decrease by a 1/3 step each. (The numbers will change in succession if you hold on the button.)

- Once set, the film speed will be stored in memory until it is reset to another value.
- The film speed will continue to blink for 8 seconds after you have removed your finger from the button, and remain on with steady light for 8 more seconds. If you depress the shutter release or change the exposure mode or other camera settings, the display mode will switch from the film speed to the exposure counter.
- The film speed will change if you press the "UP" or "DOWN" button while it blinks.

Loading the Film



1 While pushing the lock release button in the center, slide down the camera back opening lever and open the camera back.



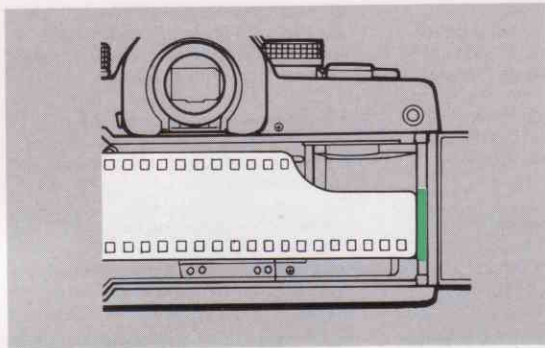
2 Insert the film cassette slantwise into the film chamber with its protruding end downward as illustrated.

Note on the shutter curtain:

The shutter curtain is a precision part. Never touch it with your finger or strike it with the film tip. When the film tip lies on the shutter curtain, in particular, never trip the shutter.

- Take care not to touch or contaminate the DX contacts and data back contact.
- Always load and unload film in subdued light.

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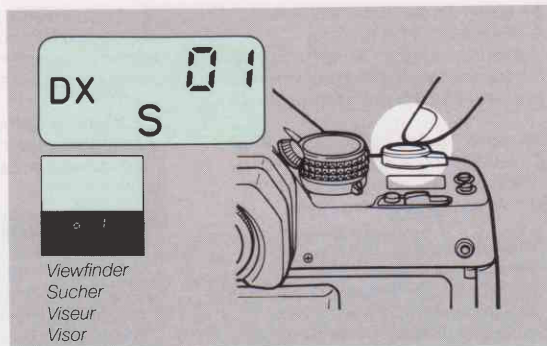
3 Pull out the film tip as far as the orange " — " mark and insert it under the mark. Take care that the film does not float up (see illustration).



- If the length of film protruding from the cassette is too long, adjust it by winding film back into the cassette before loading the film.

4 Close the camera back, turn on the main switch and depress the shutter release.

The film will automatically advance into position for the first shot and the exposure counter will show "01".



- While the film is advancing into position for the first shot, the display will switch from the exposure counter to the film speed mode. It will return to the exposure counter mode as soon as the film sets itself into position for the first shot.
- While the film is advancing to the first frame, you can trip the shutter but cannot take pictures.
- If the exposure counter does not move from "00", the film is not advancing properly. Open the camera back and load the film correctly again.
- The exposure counter can be checked both in the display panel and in the viewfinder.
- The film check window will let you check if there is film in the camera or not.

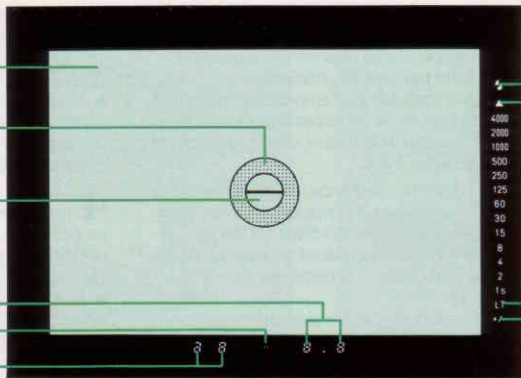
Display in the Viewfinder and Display Panel

Matte Screen
Mattscheibenfeld
Verre dépoli
Pontalla mate

Microprism Collar
Mikroprismenring
Boque de microprisme
Collar microprismático

Horizontal Split-image Spot
Horizontaler Schnittbildindikator
Zone à stigmomètre horizontal
Punto de imagen dividida
horizontal

1
2
3



The display in the viewfinder and display panel will turn on in the following cases, then turn off automatically after 16 seconds.

- ① When the main switch is turned on.
- ② With the main switch on,
 - When the shutter release is depressed;
 - When the rewind switch is turned on;
 - When the drive mode selector button, film speed button, or illumination button is depressed.

If you switch a button, dial, etc. while the display is shown, the display will remain on for another 16 seconds.

<Display in the Viewfinder>

- ① **Aperture Value** In the aperture-priority auto exposure and manual exposure modes, the aperture you have selected is displayed in the viewfinder. In the shutter-speed-priority and programmed auto exposure modes, the displayed aperture is the aperture selected by the camera in accordance with the shutter speed you have selected.
- ② **Spot Metering Mark** This mark will turn on when the metering mode is switched to the spot metering mode (O), and blink when the AE lock (AEL) is activated.

④ Exposure Counter The exposure counter shows the number of frame in position for exposure and advances one at a time each time the film is wound.

Besides the counter function, it also provides the following functions:

- Display of the remaining time (10 sec.~00) while the self-timer is operating;
- Display of the operation order in the "A.B.C." mode (automatic exposure compensation for three consecutive frames).
- Display of the end of the film.

Flash Mark If you are using the TLA flash system for taking flash pictures, the flash mark "⚡" will turn on as soon as the flash is fully charged. If your subject is correctly exposed, it will blink two seconds after the flash has fired.

⑤ Shutter Speed The camera displays the shutter speeds from 1/4000 sec. to 1 sec. and LT (2 ~ 16 sec.). "4000" means 1/4000 sec., and "125" means 1/125 sec., etc. If there are two shutter speeds on display, the shutter speed which is set is an intermediate value between them. If the mark "▲" blinks, it means overexposure; and if "LT" blinks, it means underexposure. If "4000" and "▲" turn on at the same time, it means 1/6000 sec.

The measured value of shutter speed will turn on in the display, and it will blink if it has been locked in the exposure mode "Tv", "M" or "AEL". The shutter speed will also blink when it has been automatically set for flash pictures.

⑥ Exposure Compensation Indicator If you set the exposure compensation dial anywhere except "0", the "+/-" mark will blink.

<Display Panel>

Ⓕ ISO/DX Indicator If the film speed button ("UP" button) is depressed to show the film speed, the camera's film speed setting will be displayed.

⑧ Exposure Counter/Film Speed Normally, it shows the number of exposures on a film. If the film speed button is depressed, however, it switches to display the film speed. In addition, it has the following functions:

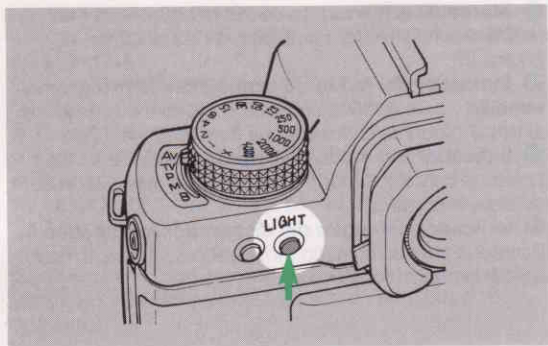
- Display of the remaining time while the self-timer is operating;
- Display of the time (sec.) that has elapsed on bulb exposure;
- Display of the operation order in the A.B.C. mode;
- Display of the end of the film.

⑨ Battery Warning Mark For details, refer to "Battery Check" on page 22.

Ⓖ Single-frame Exposure Mode Indicator Turns on when the drive mode is set to the single-frame exposure mode.

Ⓖ Continuous Shooting Mode Indicator Turns on when the drive mode is set to the continuous shooting mode.

Ⓖ Self-timer Mode Indicator Blinks when the drive mode is set to the self-timer mode.



If it is so dark that you cannot see the display clearly, depress the illumination button beside the viewfinder eyepiece.

While you hold on the button and 16 seconds after you have removed your finger from it, the display panel, exposure mode display, shutter speed dial (setting scale), and exposure compensation dial (setting scale) will be illuminated by a lamp.

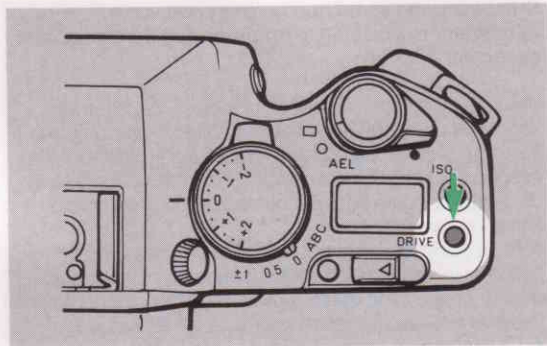
- If a dial is switched or a button is pressed while the display is illuminated, the display will remain on for another 16 seconds as in the case of the display in the viewfinder and display panel.
- The lamp will turn off when you depress the shutter release halfway.

Wenn es so dunkel ist, daß Sie die Anzeige auf dem Monitor nicht erkennen können, drücken Sie die Beleuchtungstaste neben dem Sucherokular.

Solange Sie diese Taste gedrückt halten, und weitere 16 Sekunden nach dem Loslassen, werden der Monitor, die Belichtungsbetriebsarten-Anzeige sowie die Einstellskalen des Verschlusszeitenrings und des Belichtungskorrekturrings von einer Lampe beleuchtet.

- Wird die Einstellung einer Taste, eines Ringes oder anderen Bedienelements der Kamera verändert, während die Anzeige beleuchtet ist, so bleibt sie genau wie bei Sucheranzeige und Monitor weitere 16 Sekunden eingeschaltet.
- Wenn Sie den Auslöser halb eindrücken, wird die Lampe ausgeschaltet.

Drive Mode Selector Button



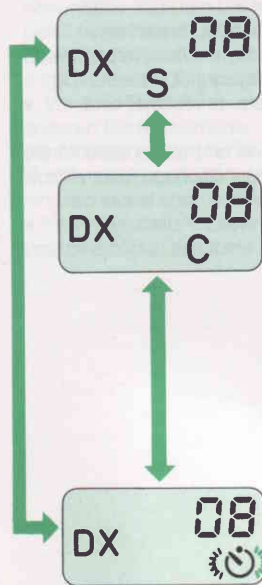
Depending on the shooting object, you can choose three drive modes.

1 Press and hold on the drive mode selector button for about 1.2 seconds. The drive mode displayed in the panel will start to blink to tell you that you can now change the drive mode.

2 As soon as it starts to blink, remove your finger from the button, then press the drive mode selector button ("DOWN" button) or the film speed button ("UP" button) again. Each time you press the button, the display panel will switch its display. Change the display as you desire.

3 The display will continue to blink for 8 seconds after you have removed your finger from the button. If you operate the main switch, depress the shutter release or

change the exposure mode or other camera settings, it will stop blinking and remain on with steady light. (If the mode being set is the self-timer mode, the self-timer mark will continue to blink when you change the camera setting.)

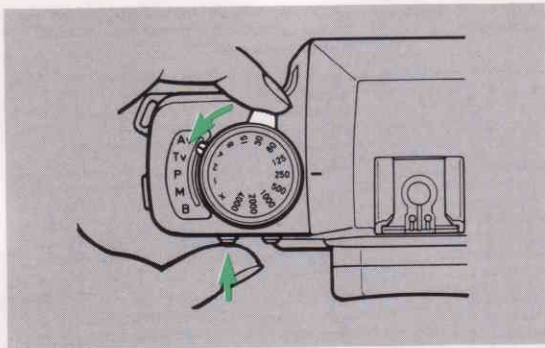


S ... Single-frame exposure mode: When the camera's shutter release is depressed, one frame is exposed and the film advances for the next shot, then stops.

C ... Continuous shooting mode: While the shutter release is held depressed, the camera continues to take pictures at a rate of up to about 3 frames a second. (The frames-per-second shooting speed differs with the shutter speed, film speed, dates printed or not, and the condition of the batteries in the camera.)

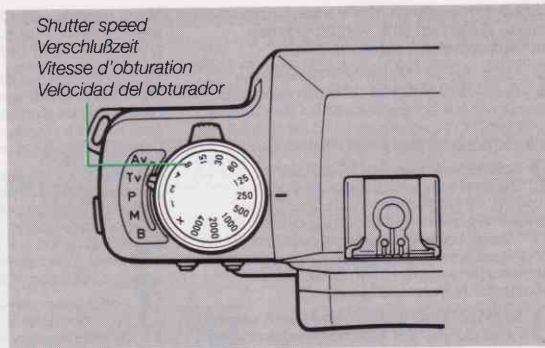
⌚ ... Self-timer mode: The shutter will trip 10 seconds after the self-timer has started. For details, refer to page 106.

Exposure Mode Selector Lever/Shutter Speed Dial



<Exposure Mode Selector Lever>

The exposure mode selector lever allows you to select the aperture-priority auto exposure (Av), shutter-speed-priority auto exposure (Tv) (with MM type lenses only), programmed auto exposure (P) (with MM type lenses only), manual exposure (M), and bulb exposure (B) modes. While depressing the exposure mode release button, operate the exposure mode selector lever to set your desired mode. For detailed information on these exposure modes, refer to pages 62~80.



<Shutter Speed Dial>

The shutter speed dial is used for adjusting the exposure time of the film. It is usable in the shutter-speed-priority auto exposure mode and manual exposure mode. Shutter speeds can be set in 1-step increments from 1/4000 sec. to 1 sec. and at X (1/200 sec.).

- The shutter speed dial should be fixed at a click position when shooting.

Holding the Camera

To take sharp pictures, the camera must be held steady. Because blurred pictures are most often caused by camera shake, it is recommended to learn how to hold the camera steady by practicing it. Place the camera in the palm of your left hand and hold the distance ring of the lens so that you can operate it with your fingers. Hold the grip with your right hand and put the forefinger lightly on the shutter release. Stick the left elbow to the body, press the camera lightly against your face and look through the viewfinder.

Always depress the shutter release very gently. The camera can be held not only in the horizontal position, but also in the vertical position depending on the subject. In any case, study your comfortable camera positioning and practice until you get used to it. It is also good to support your body or camera with a building, tree, and so on.





This camera is normally equipped with a focusing screen FW-1 (horizontal split-image/micropism type). Focusing can be done on a horizontal split-image spot in the center, on the micropism collar around it, and on the surrounding matte area.

<Horizontal Split-image Spot>

While looking through the viewfinder, turn the distance ring until the upper and lower segments of the image coincide. If the subject is not in sharp focus, the two segments will not coincide.



<Micropism Collar and Matte Screen>

Turn the distance ring until the image on the micropism collar or matte screen appears sharp. If the subject is not in sharp focus, the image on the micropism collar will appear grainy and that on the matte screen blurred.

- When using a slow lens or taking close-ups with a high magnification, focusing may be difficult. In such cases, use the matte screen to focus.

* Interchangeable focusing screens are also available. For details, refer to page 134.

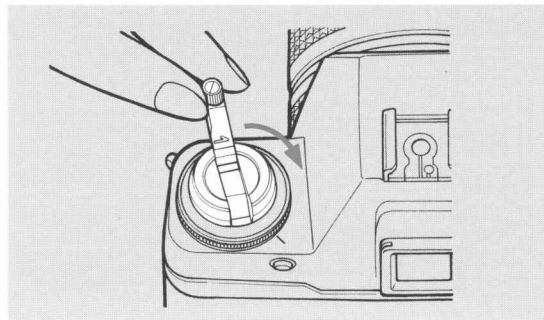
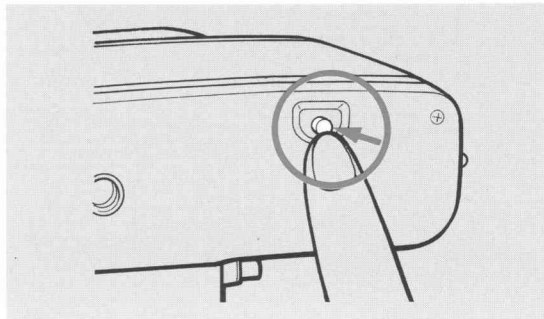
Rewinding the film

Once the last frame on the roll has been exposed, the film will stop advancing. When you feel resistance on winding which indicates that you have reached the last exposure, stop advancing the film immediately. Rewind the film all the way back into its cassette and take it out of the camera.

IMPORTANT: After the last exposure has been made do not try to forcefully advance the film. **THIS COULD SERIOUSLY DAMAGE YOUR CAMERA.** Also, avoid forcing the knob if the film jams before it has been advanced all the way to the end. After removing an exposed roll of film, develop it as soon as possible.

How to rewind the film:

- (1) Push in the film rewind button on the bottom of the camera.
- (2) Extend the film rewind crank handle so that it is upright and turn it in the direction of the arrow. At the point where the film is nearly rewound into its cassette and winds back off the film take-up, the winding tension will release and the knob will turn faster. Continue turning the crank handle a few more turns until you sense that the film is rewound all the way into its cassette, then open the back cover and take the film out of the camera.



"Depth of field" is a characteristic of different lens whereby the area in front and in back of the subject that is in focus at the film plane varies in relation to the aperture setting of the lens in use. The depth of field becomes more deeper as the lens aperture is closed down, and shallower as the lens aperture is opened up. To vary the depth of field:

- To increase the area in front and in back of the subject that is in focus, set the aperture ring to a higher f-number to close down the lens. To make the subject stand out in a blurred foreground or background, set the aperture ring to a lower f-number to open the lens wider which will narrow the depth of field.



Various photo techniques
Verschiedene Aufnahmetechniken
Diverses techniques photographiques
Diversas técnicas fotográficas



F1.4

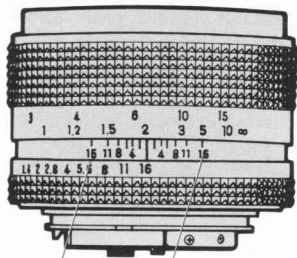


F16

- A deeper depth of field is obtained by situating the subject at further from the camera; to create a shorter depth of field, photographing closer to the subject.
- Note that the depth of field is deeper behind the focused subject and is shallower in front of it.
- Lens with a short focusing length, such as wide angle lens, have a deeper depth of field and can be used for quick focusing; lenses with long focusing lengths, such as telephotos, a shallower depth of field and less of the foreground and background will be in focus.

<Depth of field scale>

The actual range for depth of field for a given lens and aperture setting can be checked against the depth of field scale on each lens. When focusing at 2m distance with the 50 mm F1.4 standard lens with the aperture set F16, for example, clear focus can be obtained over range indicated by "16" on the depth of field scale. (approx. 1.2 m to approx. 5 m).

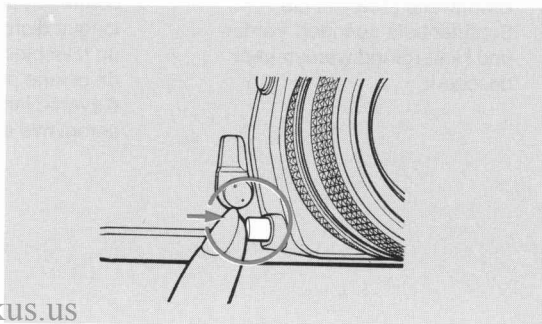


Depth of field scale
Schärfentiefenskala
Echelle de profondeur de champ
Escala de profundidad de campo

<Aperture stop-down button>

While looking through the viewfinder, the lens aperture remains constantly open. To see what the depth of field and exposure brightness will be like when the actual picture is taken, press the aperture stop-down button. This closes down the aperture to match the actual preset value and the inside of the viewfinder will become darker accordingly. The narrowness or shallowness of the depth of field can also be seen by the fading of the background and foreground.

- Ensure that you release the aperture check button when you take the picture; otherwise the correct exposure will not be obtained.

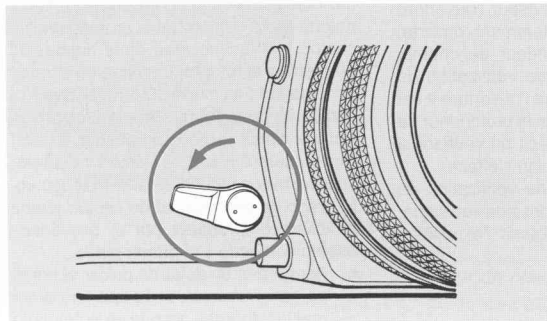


Self-timer photography

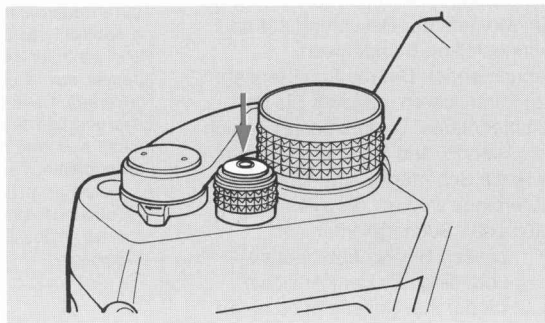
Use the self-timer when taking a photographs of the family or of groups etc. For self-timer shooting without camera shake, the camera should be fixed firmly on a tripod, etc.

To use the self timer:

- (1) Prefocus the subject and set the exposure.
- (2) Engage the self-timer by turning self-timer lever in the direction of the arrow. (See figure.) Set the self-timer lever after winding the film.



- (3) After making sure that the film has been wound, press the release button to activate the timer mechanism. The mirror will move upward and the self-timer will release the shutter in approx. 10 seconds.
- Once the shutter release button has been pressed, it cannot be reset until after the picture is taken. Self-timer photographs can be stopped before the shutter button has been pressed simply by pushing the self-timer lever back into its original position with your fingers.

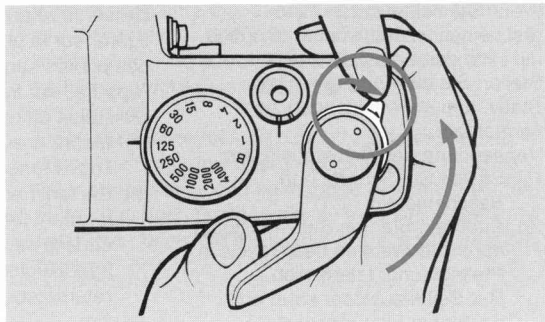


Multiple exposures

By setting the multiple exposure lever exposure function you can overlap images of two or more subjects on one photograph to create a variety of unique and expressive photographs.

To use the multiple exposure functions:

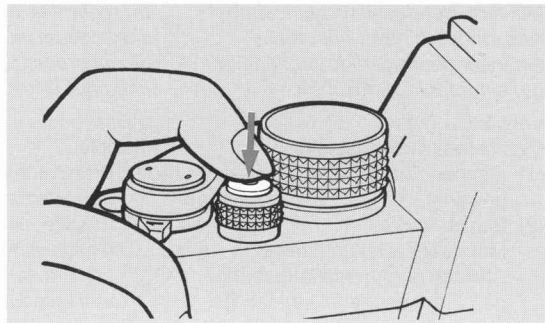
- (1) Take the first photograph in the normal manner.
- (2) Next, press the multiple exposure lever in the direction of the arrow and wind the film wind lever one frame. When you do this with the multiple exposure level set, the shutter will set for the next photograph without advancing the film or exposure counter so that a double exposure can be made. Even though you will have to remove your finger from the multiple exposure lever after you wind the film advance lever the multiple exposure will still be set.



- (3) Set the exposure for the second photograph and press the shutter release button again. Multiple exposure can be repeated several times on the same on the same frame by repeating steps (1) and (2)

Overlapped images may be slightly misaligned when making multiple exposures.

The success of multiple exposures depends on how you overlay the subjects on which the exposures are being made. Darker subjects should be photographed before lighter subjects for better results. Also, note that all white or very bright scenes are not suitable for multiple exposures.



Flash photography

It is advisable to use an electronic flash for indoor or night shooting. Electronic flash is also effective for daylight fill-in photography outdoors in the shade or in poor lighting.

<Synchronization with the camera>

This camera synchronizes directly through the camera's accessory shoe when the flash is attached.

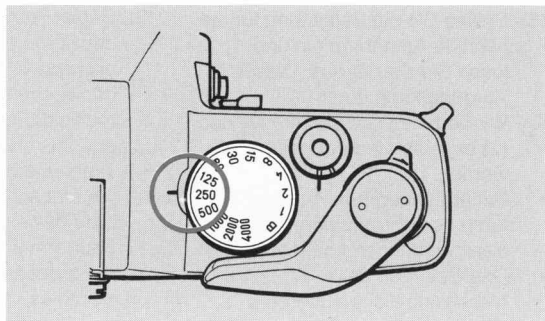
Flash units which require a cord for synchronization can be hooked up to the sync terminal on the front side of the camera.

<Flash sync speed>

This camera is an X-contact synchronization type.

For electronic flash, the shutter speed should be set at 1/250 sec. or slower.

- FP, M and MF type flash bulbs should be synchronized at shutter speeds below 1/30 sec.

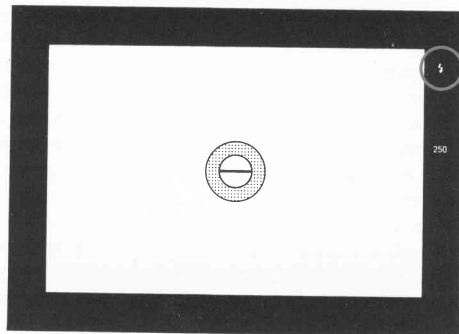


<Flash aperture setting>

Set the flash aperture according to the instructions supplied with the electronic flash unit.

- When using a dedicated Contax flash units with the Contax S2, a viewfinder “flash ready” indicator lights to inform you when the flash is charged and ready to shoot.
- This camera does not feature TTL auto flash synchronization or automatic flash shutter speed setting functions.

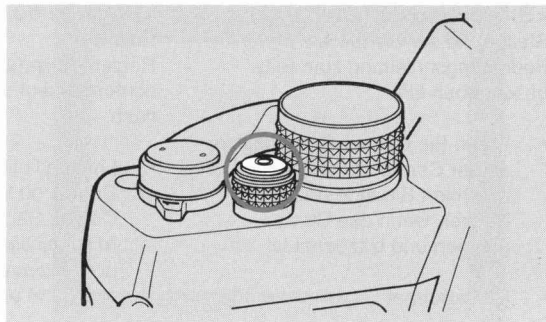
For auto flash, use flash units with an external auto flash sensor, or switch to manual flash photography.



Cable release socket

To release the shutter by cable release, attach a standard cable release to the cable release embedded in the shutter release button.

- Electronic cable releases such as CONTAX Cable Switch L cannot be used with this camera.
- When using the camera with the auto bellows PC, the accessory connector cord for the auto bellows will not operate. In this instance, use a standard double cable release available at some camera stores.

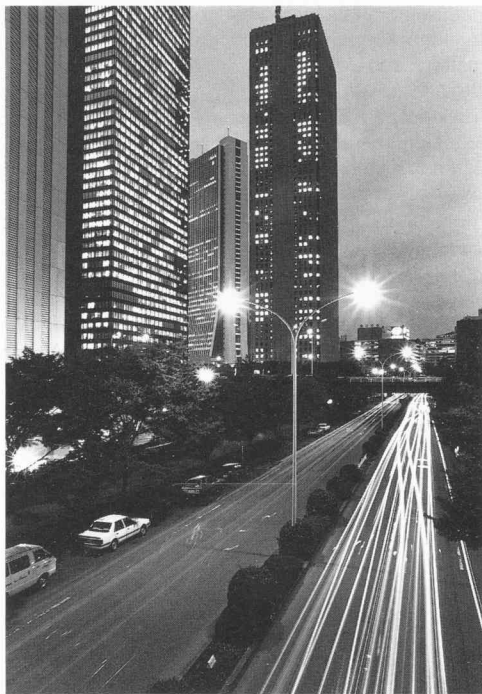
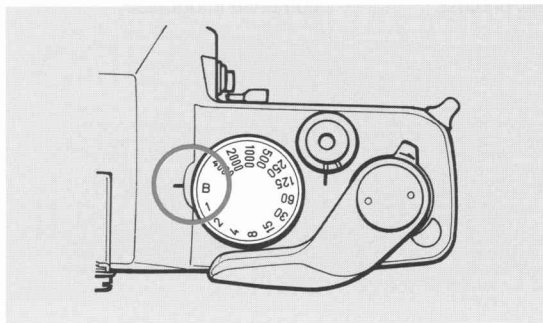


“B” (Bulb) photography

The “B” (Bulb) setting of the shutter speed dial is especially useful for night photography or astrophotography requiring exposures in excess of 1 second.

To perform time exposures at “B”:
Set the shutter speed dial to “B,” select the appropriate lens aperture and press the shutter release button. The exposure will be made and the shutter will remain open for as long as the shutter release button is held down.

To prevent camera shake during time exposures, fix the camera to a tripod or set it on a stable surface, then connect a cable release to the cable release socket and take the photograph.



Infrared photography

(1) Exposure

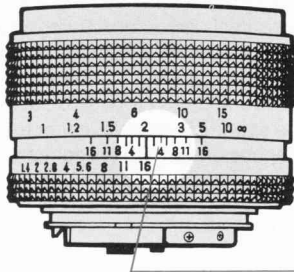
The exposure meter for this camera is not effective for infrared films. Set the exposure for infrared photography according to the instruction sheet supplied with the type of film you are using.

(2) Infrared compensation mark for infrared photography with a red filter

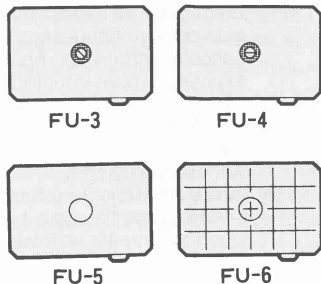
When making photos with B&W infrared films using a red filter, the focusing point for infrared photography will differ from that for normal photography. An infrared index mark is provided on the lens barrel of the camera to adjust for the different focusing point for infrared photos with a red filter.

First focus without the red filter attached, then attach the filter and turn the focusing ring so that the point of focus aligns with the infrared index mark.

- For color infrared films, follow the instructions provided on the instruction sheet supplied with the film.



*Infrared compensation mark
Infrarotkorrektur-Marke
Marque de compensation pour film infrarouge
Marca de compensación de infrarrojos*



<Focusing screen FU type>

This camera is equipped with a horizontal split-image/micro-prism screen (FU-4) as a standard focusing screen. The focusing screen can be replaced with accessory optional screens to meet your individual photo requirements.

The FU type for CONTAX 167 MT can be used as a replacement screen. In addition to the FU-4, the following three focusing screens such as the 45° split/micro-prism type (FU-3), all-side mat type (FU-5) and graph mat type (FU-6) are available.

IMPORTANT : The focusing screens for the S2 have a high precision finish. When changing screens, do not touch the surface of the screen with your fingers or allow it to become scratched. Before changing the focusing screen, read the operation manual for the new focusing screen carefully. Be sure to use the accessory forceps supplied with the screen for accurate mounting.

FU-3 (45° split/micro-prism type)

Suitable for general picture taking. A screen that is 45° of the FU-4 split section that allows speedy focusing with horizontal lines or suitable lines. As with FU-4, the focus of the split section, micro-prism section and mat section can be adjusted.

FU-4 (Horizontal split/micro-prism type)

Standard equipment. Suitable for general picture taking. The focus can be adjusted to the 3 sections of the center split section, the surrounding micro-prism section and the surround mat section.

FU-5 (Mat type on all sides)

Screen whose sides are all mat. Suitable when using a comparatively dark lens such as a long focal lens, and a close-up micro-prism section, etc., or when it is difficult to adjust the focus in the split section.

FU-6 (Graph Mat type)

This screen whose sides are all mat has vertical and horizontal lines at 6 mm intervals. Suitable for taking pictures when using auto bellows, PC Distagon, etc., or when reproducing compositions in great detail.

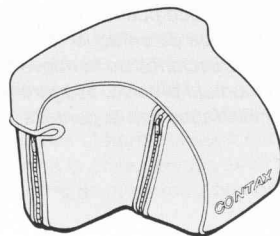
<FL-type Diopter correction lenses>

FL-type Diopter correction lenses which fit over the standard camera eyepiece are available for people with poor eyesight who find it difficult to see the image in the viewfinder clearly. Eight Diopter sizes are available ranging -5 diopter (D) to +3 diopter (D).

<Flex case C-3>

By extending the edge of the case S2 lenses such as Carl ZeissT* lens Sonar 100 mm F3.5 and lenses with a focal length exceeding 85 mm★ can be stored in the case.

★ However, except Variosonar 35 - 70 mm F3.4, Planar 85 mm F1.2, PC Distagon 35 mm F2.8, Distagon 15.



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<The Contax S2 and other Contax cameras>

*This camera utilizes a mechanical shutter which operates differently from other Contax cameras that normally feature an electromagnetic shutter. For this reason, some standard CONTAX camera system accessories cannot be use with it, while others can be used with without full functions.

Contax accessories which cannot be used with the S2:

- Contax Electronic Remote Control System accessories, such as Cable Switches, electronic remote shutter releases and so forth.

Contax accessories that can be used with the S2 without certain features:

- Auto Bellows PC set
This can be used if a standard double-cable release available on the market is used in place of the electric release connector cord supplied with the bellows.
- Flash Accessories
Contax flash units can be in the manual mode only (TTL auto flash functions do not operate with this camera; also automatic shutter speed setting and aperture setting is not featured.)

<Die Contax S2 und andere Contax-Kameras>

*Diese Kamera arbeitet mit einem mechanischen Verschluss, anders als die übrigen Contax-Modelle, die mit einem elektromagnetisch gesteuerten Verschluss ausgerüstet sind. Aus diesen Grund ist die Verwendung eines Teils des Contax-Systemzubehörs nur eingeschränkt oder nicht möglich.

Contax-Zubehör, das nicht an der S2 verwendet werden kann:

- Contax elektrisches Fernauslösezubehör wie Kabelauslöser u.ä.

Contax-Zubehör, das mit Einschränkungen an der S2 verwendet werden kann:

- Auto-Balgen PC
Kann verwendet werden, wenn statt des mitgelieferten elektrischen Kabelauslösers ein handelsüblicher Doppel-Drahtauslöser benutzt wird.
- Blitzzubehör
Contax-Blitzgeräte können nur im Manuell-Betrieb verwendet werden (TTL-Blitzautomatik und automatische X-Synchronisation funktionieren nicht)

Camera Care

- Do not leave the camera in extremely hot places, such as in direct sunlight at the seaside in summer or on the dashboard or rear window area of vehicles. High temperature may damage the camera permanently and also lower battery performance.
- Clean the camera carefully after taking photos at seaside where sea breezes could cause corrosion, or in the desert or mountains where wind gust could blow dirt on it and lower operating precision.
- Blow away any dust of foreign particles stuck to the viewfinder eyepiece or camera lens with a blower brush, or wipe with a soft lens brush. Wipe away any finger prints on a lens gently using a any quality lens cleaner from a camera store.
- Wipe the camera body gently with a soft cloth to remove stains or dirt. Never use organic solvent such as benzene, thinner, etc., to clean the camera.
- When bringing the camera into a warm room from outdoors, the lens could become fogged up temporarily. Keep the camera wrapped in a cloth or coat, etc. when bringing it inside to allow it to adjust slowly to temperature changes. Sudden temperature changes could lower the performance of your camera.

- Before taking important or memorable picture at weddings, overseas trips and so forth, always test operate the camera before actual use; also be sure to carry spare batteries along with you.
- Your S2 is a high precision instrument. Avoid rough handling, dropping it or subjecting it to strong impact to ensure album after album of beautiful pictures.

Shutter precautions

The mechanical shutter curtain inside your camera is a made of a very thin high precision metal.

Be extra careful not to touch the shutter curtain with your fingers or other objects. When replacing the film, be careful that the film leader does not hit against the shutter curtain. Also, when cleaning the camera with a blower brush, do not apply strong pressure to the shutter curtain. A strong current of air hitting the shutter curtain may damage or deform it. For this reason, never use spray can type blower cleaners or cleaning solutions.

<Camera storage>

- Avoid storing camera your camera in highly humid or dusty places. Do not store the camera where insecticides are used or stored or in laboratories where chemicals are kept. Always store your camera in well-ventilated places.
- When the camera is not in use for a long period of time, remove the batteries from the camera as a

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Main specifications

Type:	35mm SLR camera with focal plane shutter	(with CONTAX flashes having direct X contact.)
Picture size:	24 x 36 (mm)	Film advance: Lever operate (135° wind angle, 30° auxiliary wind angle)
Lens mount:	Contax/Yashica mount	Film rewind: By film rewind crank and knob (on releasing rewind button)
Shutter:	Mechanical vertical-run metal focal plain shutter	Exposure counter: Automatic resetting exposure counter (additive type)
Shutter speeds:	1 sec. to 1/4000 sec., plus "B"	Multile Exposure: Enabled by turning multiple exposure lever
Flash sync:	X contact (synchronizes below 1/250 sec.)	Multiple exposure: Possible by operating the multiple exposure lever
Self timer:	Mechanical (releases in approx. 10 sec.)	Accessory shoe: Direct X contact type (with built-in flash contact)
Shutter release:	Mechanical (with cable release socket, release lock)	Back cover: With film check window (opens on lifting the rewind knob)
Exposure control:	Manual with coupled TTL exposure meter	Power source for: Two LR44 1.5 V alkaline exposure meter batteries or two SR44 1.55V silver oxide batteries
Exposure method:	TTL spot metering using SPD elements (approx. 5mm dia.)	Battery check: Automatic on pressing shutter release halfway (Viewfinder LEDs slow to indicate low battery; battery warning light will not illuminate when the batteries are flat.)
Meter coupling range:	EV4 to 20 (at ISO100 with F1.4)	Other: Depth-of-field button
Film speeds:	ISO12 to 6400 (manually set)	Dimensions: 134.5(W) x 89(H) x 51(D) mm
Viewfinder:	Pentaprism eye-level finder(long-eyepoint type) <ul style="list-style-type: none">• Finder area: Shows 95% of picture area• Magnification: 0.82X (with 50mm standard lens (at infinity))	Weight: 565 g (excluding batteries)
Standard focusing:	Horizontal split-image screen: microprism	
Viewfinder display:	Set shutter speed and correct shutter speed indication	
Over/Underexposure warning (LEDs light when out of exposure range); Flash ready indication		

*Specifications and design are subject to change without notice.

Typ: 35mm-Schlitzverschluss-SLR
Bildformat: 24 x 36 mm
Objektiv-Anschluß: Contax/Yashica-Bajonett
Verschuß: Senkrecht ablaufender
 Metallschlitzverschluss
Verschußzeiten: mechanisch 1/4000s bis 1s und "B"
Blitzsynchronisation: X-Kontakt, 1/250s und larger
Selbstauslöser: mechanisch, ca. 10 s. Vorlauf
Auslöser: mechanisch, Auslöseverriegelung,
 Drahtauslöseranschluß
Belichtungssteuerung: manuelle TTL-Nachführmessung
Belichtungsmessung: TTL-Spot-Messung, ca 5mm Ø, Silizium-
 Fotodiode
Meßbereich: EV 4 - 20 (ISO 100, f/1,4)
Filmempfindlichkeitseinstellung: manuell von ISO 12 - 6400
Sucher: Pentaprismensucher, zeigt 95% des
 Bildformates, Vergrößerung 0,82x
 (mit 50mm-Objektiv, Unendlicheinstellung
 unendlich)
**Standard-
 Sucherscheibe:** mit horizontalem
 Schnittbild/Mikroprismen
Sucheranzeigen: eingestellte und gemessene
 Verschußzeit, Über-/Unter-
 belichtungswarnung (LED leuchtet
 bei Überschreiten des Meßbereichs);
 Blitzbereitschaft (mit Contax-
 Systemblitzgeräten)

Filmtransport: manuell mit Schnelltransport- /
 Spannhebel (Bereitschaftswinkel
 30°, Transportwinkel 135°);
 Mehrfachbelichtungsmöglichkeit
Film-Rückspulung: manuell mit Rückspulkurbel (nach
 Entriegelung)
Bildzählwerk: additiv, automatisch rückstellend
Doppelbelichtung: Möglich durch Betätigung der
 Doppelbelichtungstaste
Zubehörschuh: Mittenkontakt-Blitzschuh mit System-
 Kontakt (Bereitschaftsanzeige)
Kamera-Rückwand: auswechselbar, mit
 Filmkontrollfenster,
 Batterie: 2 x 1,5-Volt-Batterien (LR44/SR44)
Batteriekontrolle: automatisch beim Antippen des Auslöses
 (Sucher-LEDs blinken langsam bei
 nachlassender Spannung, leuchten bei
 leeren Batterien nicht)
Sonstiges: Abblendtaste zur
 Schärfentiefekontrolle
Abmessungen: 134,5 x 89 x 51 mm (BxHxT)
Gewicht: 565 g (Gehäuse, ohne Batterie)

* Änderungen der technischen Daten und äußeren
 Aufmachung bleiben jeberzeit vorbehalten.

Spécifications générales

Type: Chambre photographique réflex 35 mm avec obturateur focal

Dimensions de l'image: 24 x 36 mm

Monture d'objectif: Monture Contax/Yashica

Obturateur: Obturateur focal métallique vertical à déplacement

Vitesses d'obturation: Mécanique de 1/4000 à 1 seconde, et "B"

Synchronisation du flash: Contact X (se synchronise à de 1/250 seconde et moins)

Retardateur: Mécanique (avec un délel d'environ 10 sec.)

Déclencheur: Mécanique (avec prise pour déclencheur souple, blocage de déclenchement)

Réglage de l'exposition: Manuel avec posemètre TTL couplé

Nesute d'exposition: Mesure ponctuelle TTL d'environ 5mm de diam, photodiode au silicium

Plage de mesure: EV4 à 20 (ISO 100 à Ff/1,4)

Sensibilité des films: ISO 12 à 6400 (réglé manuellement)

Viseur: Pentaprisme

- **Zone du viseur:** Présente 95 % de l'image
- **Grossissement:** 0,82X (avec objectif standard 50 mm, réglé sur l'infini)

Ecran de mise au point standard: Microprismes et image sectionné horizontalement

Affichage dans le viseur: Vitesse d'obturation réglée et mesurée. Avertissement de sur- et sous exposition (les DEL s'allument quand l'exposition est en dehors de la plage), remoin de flash prêt (avec les flashes

CONTAX)

Avance du film: Par levier d'avance du film (angle d'avance 135°, angle de disponibilité 30°), fonction d'exposition multiple

Rebobinage du film: Par levier de bobinage du film (après libération)

Compteur de vues: Réinitialisation automatique du compteur de vue (additif)

Exposition multiple: En actionnant le levier d'exposition multiple

Patin porte-accessoire: avec contact X direct (avec contact pour flash intégré)

Dos: Détachable et avec fenêtre de vérification du film

Alimentation: Deux piles alcalines (LR44/SR44 de 1,5 V)

Vérification des piles: Automatique lors de l'enclenchement à mi-course du bouton du déclencheur (les DEL du viseur clignent lentement pour indiquer que les piles sont faibles et elles ne s'allument plus quand les piles sont à plat)

Divers: Bouton de fermeture de diaphragme pour contrôler la profondeur de champ

Dimensions: 134,5 (L) x 89 (H) x 51 (P) mm

Poids: 565 g (piles exclues)

*Les caractéristiques et la conception sont sujettes à des modifications sans préavis.

Características principales

Tipo: Cámara SLR 35mm con obturador en el plano focal.

Formato de la imagen: 24 x 36 (mm)

Montura del objetivo: Montura Contax / Yashica

Obturador: Obturador mecánico de plano focal metálico con desplazamiento vertical.

Velocidades de obturación: De 1 seg. a 1/4000 seg., además de "B".

Sincronización del flash: Contacto X (sincronización por debajo de 1/250 seg.)

Autodisparador: Mecánico (activa el obturador transcurridos aprox. 10 seg.) Disparador del obturador: Mecánico (con rosca para disparador por cable, seguro del disparador) Control de la exposición: Manual, con medidor de exposición TTL acoplado.

Sistema de exposición: Medición puntual TTL mediante elementos SPD (aprox. 5mm día.)

Escala de acoplamiento de medición: EV4 a 20 (a ISO100 con F1.4)

Sensibilidades de película/visor: Pentaprisma a nivel del ojo

- Area del visor Muestra el 95% del área de la imagen
- Aumento 0.82X (con el objetivo estandar 50mm (en infinito))

Pantalla de enfoque estandar: Microprisma de imagen horizontal partida.

Indicadores del visor: Velocidad de obturación seleccionada e indicación de velocidad de obturación correcta; aviso de sobre/subexposición (los indicadores LED se encienden cuando se sobrepasan los límites de la escala de exposición); indicador de flash preparado (con las unidades de flash CONTAX

que dispongan de contacto X directo).

Avance de la película: Mediante palanca de bobinado de la película (ángulo de bobinado de 135°, ángulo de bobinado auxiliar de 30°); función de exposición múltiple.

Rebobinado de la película: Mediante manivela de rebobinado y palanca (pulsando el botón de rebobinado)

Contador de exposiciones: Tipo aditivo, con puesta a cero automática

Exposición múltiple: Posible accionando la palanca de exposición múltiple

Zapata para accesorios: Tipo contacto X directo (con contacto incorporado para unidades de flash).

Respaldo: Desmontable, con ventanilla de comprobación de la película (se abre y se cierra levantando la palanca de rebobinado).

Alimentación del medidor de exposición: Dos pilas alcalinas LR44 de 1.5V ó dos pilas de óxido de plata SR44 de 1.55V.

Comprobación del estado de las pilas: Automática al pulsar el disparador del obturador hasta mitad de recorrido (los indicadores LED del visor parpadearán con lentitud para indicar pilas con poca carga, y no se encenderán cuando las pilas estén agotadas).

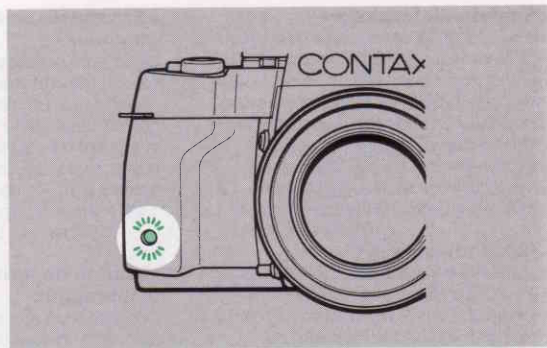
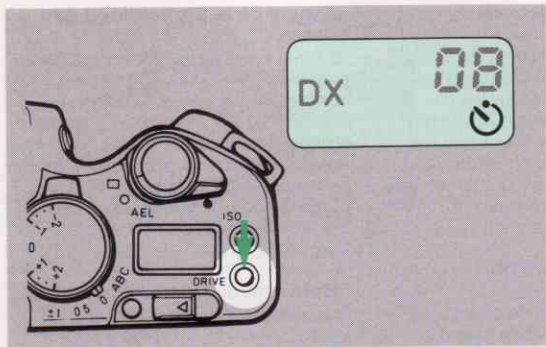
Otras: Botón de comprobación de la profundidad de campo.


Dimensiones: 134.5 (An) x 89 (Al) x 51 (Pr) mm.

Peso: 565 kg. (sin pilas)

* Las características y el aspecto exterior de este producto están sujetas a cambio sin previo aviso debido al perfeccionamiento del mismo.

Using the Self-timer



1 Focus the lens on your subject and set the drive mode to “” with the drive mode selector button. The self-timer mark will blink.

- The self-timer cannot be used when the camera is set for bulb exposure.
- To shoot with the self-timer, mount the camera on a tripod.

2 Depress the shutter release. The self-timer will start and trip the shutter in 10 seconds. While the self-timer is running, the exposure counter will show the remaining time in seconds until the shutter trips. The self-timer LED in the camera front will also blink.

- When taking pictures in an auto exposure mode (Av, Tv or P), cover the viewfinder eyepiece with the eyepiece shutter or use the AE lock to prevent extraneous light from entering through it.
- If the shutter release is depressed while the self-timer is running, the counter will reset itself and start to count the remaining time.
- In the following cases, the self-timer operation will be canceled.
 - When the main switch is switched.
 - When the drive mode is switched.
 - When the exposure mode is set to “B” (bulb)
 - When the rewind lever is set to ON.

When taking pictures indoors or at night, it is recommended to use flash.

In combination with the Contax TLA Flash System, this camera is designed to provide "TTL direct light metering" in which the amount of flash light can be automatically controlled on the camera side.

<Taking Pictures on TTL Direct Light Metering>

1 Mount the TLA flash unit on the camera.

Set the flash unit to "TTL AUTO" and turn on the power switch.

As soon as the flash is fully charged, the mark "⚡" will turn on in the viewfinder and the shutter speed will automatically be set depending on the camera's exposure mode.

■ Aperture-priority auto exposure mode (Av):

Measured Value in Ambient Light	Automatically Set Shutter Speed	(Display)
LT~1/60 sec.	1/60 sec.	"60" blinks.*
1/60~1/250 sec.	1/60~1/200 sec.	Either one from "60" to "125 · 250" blinks.
1/250~1/6000 sec.	1/200 sec.	Both "125" and "250" blink.*

* While the measured value of shutter speed turns on with steady light, the automatically set shutter speed will blink.

Bei Innenaufnahmen und Nachtszenen empfiehlt sich der Gebrauch des Blitzes.

Bei Verwendung des Contax TLA-Blitzsystems gestattet Ihnen diese Kamera Blitzaufnahmen mit direkter TTL-Lichtmessung, bei denen die erforderliche Lichtmenge des Blitzes automatisch von der Kamera geregelt wird.

<Blitzaufnahmen mit direkter TTL-Lichtmessung>

1 Bringen Sie das TLA-Blitzgerät an der Kamera an.

Stellen Sie das Blitzgerät auf "TTL AUTO" und schalten Sie das Blitzgerät ein.

Sobald der Blitz vollständig aufgeladen ist, erscheint das Blitzsymbol "⚡" im Sucher, und die Verschlusszeit wird automatisch entsprechend der Belichtungsbetriebsart der Kamera eingestellt.

■ Belichtungsautomatik mit Blendenvorwahl ("Av"):

Meßwert bei natürlichem Licht	Automatisch eingestellte Verschlusszeit	(Anzeige)
LT~1/60 Sek.	1/60 Sek.	"60" blinkt.*
1/60~1/250 Sek.	1/60~1/200 Sek.	Eine der Anzeigen von "60" bis "125 · 250" blinkt.
1/250~1/6000 Sek.	1/200 Sek.	"125" und "250" blinken.*

* Die Anzeige des Meßwertes leuchtet stetig, und die Anzeige der automatisch eingestellten Verschlusszeit blinkt.

■ Shutter-speed-priority auto exposure mode (Tv):

Shutter Speed Setting on Dial	Automatically Set Shutter Speed	(Display)
1~1/125 sec.	1~1/125 sec. (blinks)	(Shutter speed which is set on the dial).
X, 1/125~1/4000 sec.	1/200 sec.	Both "125" and "250" blink.

- * While the measured value of shutter speed turns on with steady light, the automatically set shutter speed will blink.
- The aperture cannot be automatically set. Pictures are taken with the aperture which is set on the lens' aperture ring.

■ Programmed auto exposure mode (P):

Measured Value in Ambient Light		
LT~1/60 sec.	1/60 sec.	"60" blinks.*
1/60~1/250 sec.	1/60~1/200 sec.	Either one from "60" to "125 · 250" blinks.
1/250~1/6000 sec.	1/200 sec.	Both "125" and "250" blink.

- * While the measured value of shutter speed turns on with steady light, the automatically set shutter speed will blink.
- The aperture is automatically set (F4 for ISO 100).
 - When the subject is bright, the aperture is automatically adjusted for daylight flash.

■ Belichtungsautomatik mit Verschlusszeitenvorwahl ("Tv"):

Mit Verschlusszeitring eingestellte Verschlusszeit	Automatisch eingestellte Verschlusszeit	
1~1/125 Sek.	1~1/125 Sek. (blinkt)	(mit Verschlusszeitenring eingestellte Verschlusszeit)
X, 1/125~1/4000 Sek.	1/200 Sek.	"125" und "250" blinken.

- * Die Anzeige des Meßwertes leuchtet stetig, und die Anzeige der automatisch eingestellten Verschlusszeit blinkt.
- Die Blende kann nicht automatisch eingestellt werden. Aufnahmen werden mit der Blende gemacht, die mit dem Blendenring des Objektivs eingestellt wurde.

■ Programm-Belichtungsautomatik ("P"):

LT~1/60 Sek.	1/60 Sek.	"60" blinkt.*
1/60~1/250 Sek.	1/60~1/200 Sek.	Eine der Anzeigen von "60" bis "125 · 250" blinkt.
1/250~1/6000 Sek.	1/200 Sek.	"125" und "250" blinken.

- * Die Anzeige des Meßwertes leuchtet stetig, und die Anzeige der automatisch eingestellten Verschlusszeit blinkt.
- Die Blende wird automatisch eingestellt (f/4 bei ISO 100).
 - Wenn das Motiv sehr hell ist, wird die Blende automatisch auf Tagesblitz-Blitzaufnahmen eingestellt.

■ Manual (M) and bulb (B) exposure:

- Because the shutter speed cannot be automatically set by the camera, be sure to set it manually to X (1/200 sec.), or 1/125 sec. or slower.
- When the shutter speed dial is set at "X", both "125" and "250" in the viewfinder will blink.
- While the measured value of shutter speed turns on with steady light, the shutter speed you have set will blink. "LT" will blink when the shutter speed dial is set at "B" (bulb).

2 Set the aperture and shoot.

- After the flash has fired, the mark "⚡" will blink for two seconds if the subject is correctly exposed.
- In the programmed auto exposure mode ("P"), the aperture is also automatically set (to F4 at ISO 100).

Caution

- If the mark "⚡" does not blink after shooting, change the aperture or the shooting distance because your subject will be underexposed.
- Be sure to set the A.B.C. lever to "0".
- Set the drive mode to the single-frame or self-timer modes. It is impossible to take flash pictures in the continuous shooting modes (C).
- The coupling range of film speeds is ISO 25 ~ 400 (without exposure compensation).

■ Manuelle Belichtung ("M") und Zeitaufnahmen ("B"):

- Achten Sie darauf, den Verschlusszeitenring auf "X" (1/200 Sek.) bzw. auf eine Verschlusszeit von 1/125 Sek. oder länger einzustellen, da die automatische Korrektur der Verschlusszeit in diesen Betriebsarten nicht zur Verfügung steht.
- Bei Einstellung des Verschlusszeitenrings auf "X" blinken die beiden Anzeigen "125" und "250" gleichzeitig im Sucher.
- Die Anzeige der von Ihnen eingestellten Verschlusszeit blinkt, und der bei natürlichem Licht gemessene Wert leuchtet stetig. Bei Einstellung des Verschlusszeitenrings auf "B" (Zeitaufnahmen) blinkt "LT".

2 Stellen Sie die gewünschte Blende am Objektiv ein und machen Sie die Aufnahme.

Nach Auslösen des Blitzes blinkt das Symbol "⚡" zwei Sekunden lang, wenn die Aufnahme richtig belichtet wurde.

- In der Betriebsart Programm-Belichtungsautomatik ("P") wird die Blende ebenfalls automatisch eingestellt (auf f/4 bei ISO 100).

Vorsicht

- Wenn das Symbol "⚡" nach der Aufnahme nicht blinkt, müssen Sie die Blendeneinstellung oder Aufnahmeentfernung verändern, da das Motiv sonst unterbelichtet wird.
- Achten Sie darauf, daß der A.B.C.-Schieber auf "0" eingestellt ist.

<Slow-shutter Synchronization Using a TLA Flash Unit>

Slow-shutter synchronization at 1/30 sec. or slower is effective for taking nighttime pictures and twilight scenes with flash.

This camera facilitates slow-shutter synchronization in combination with a TLA flash unit.

■ In the exposure mode "Av" or "P":

Set the main switch at "AEL".

In this case, the shutter speed will be locked at the measured value in ambient light in the range of "LT"~1/200 sec. Make sure the flash is fully charged and shoot.

■ In the exposure mode "Tv" or "M":

After the flash is fully charged, adjust the shutter speed dial or aperture ring so that the shutter speed you have selected (blinking) coincides with the measured value (lighting) and only one shutter speed blinks.

- When taking slow-shutter synchro flash pictures, use a tripod to prevent camera shake because the shutter speed will be slow.

- Stellen Sie als Filmtransport-Betriebsart entweder Einzel- oder Selbstauslöseraufnahmen ein. In den Serienaufnahmen-Betriebsarten ("C") sind keine Blitzaufnahmen möglich.

- Der Kopplungsbereich der Filmempfindlichkeit beträgt ISO 25 bis 400 (ohne Belichtungskorrektur).

<Synchronisation bei langen Verschußzeiten mit einem TLA-Blitzgerät>

Eine Blitzsynchronisation mit langen Verschußzeiten von 1/30 Sek. oder länger ist besonders wirksam bei Blitzaufnahmen von Nachtszenen und in der Dämmerung. Bei dieser Kamera wird die Blitzsynchronisation mit langen Verschußzeiten bei Verwendung eines TLA-Elektronenblitzes stark vereinfacht.

■ In Belichtungsbetriebsart "Av" oder "P":

Stellen Sie den Hauptschalter auf "AEL".

In einem solchen Fall wird die Verschußzeit auf den bei natürlichem Licht gemessenen Wert innerhalb des Bereiches von "LT" bis 1/200 Sek. eingestellt. Überzeugen Sie sich, daß der Blitz vollständig aufgeladen ist, und machen Sie die Aufnahme.

■ In Belichtungsbetriebsart "Tv" oder "M":

Betätigen Sie nach vollständigem Aufladen des Blitzes den Verschußzeitenring bzw. den Blendenring, so daß die Anzeige der von Ihnen gewählten Verschußzeit (blinkt) und die des Meßwertes (leuchtet) übereinstimmen.

- Bringen Sie die Kamera bei Blitzaufnahmen mit Synchronisation bei langen Verschußzeiten an einem Stativ an, um ein Verwackeln zu verhindern.

<Daylight Flash>

Subjects under direct sunlight or backlighted subjects will turn out dark without exposure compensation or fill-in flash. If you use flash as fill-in light in such cases, both the subject and background will be beautifully exposed.

■ In the exposure mode "Av" or "Tv" :

Adjust the aperture so that a shutter speed of 1/200 sec. or slower is set (both "125" and "250" will blink at the same time), and shoot.

■ In the exposure mode "P" :

In bright light, the exposure is automatically adjusted for daylight flash.

■ In the exposure mode "M" :

Be sure to set the shutter speed dial to "X", or 1/125 sec. or slower, and then adjust the aperture so that the set shutter (blinking) coincides with the measured value (lighting) and only one shutter speed blinks.

● If the overexposure warning "▲" blinks and does not turn off, do not use flash. Follow the normal photography procedure and shoot.

<Using the exposure compensation dial>

If you want to bring out the mood by adjusting the amount of flash, use the exposure compensation dial.

<Tageslicht-Blitzaufnahmen>

Motive in direkter Sonneneinstrahlung oder im Gegenlicht erscheinen oft dunkel im Bild, wenn die Aufnahmen ohne Belichtungskorrektur oder Aufhellblitz gemacht werden. Wenn Sie in einem solchen Fall mit Tageslichtblitz arbeiten, werden Motiv und Hintergrund einwandfrei belichtet.

■ In Belichtungsbetriebsart "Av" oder "Tv":

Verändern Sie die Blendeneinstellung so, daß eine Verschlusszeit von 1/200 Sek. oder länger eingestellt wird (die beiden Anzeigen "125" und "250" blinken gleichzeitig), und machen Sie die Aufnahme.

■ In Belichtungsbetriebsart "P":

Bei Aufnahmen in hellem Licht wird die Belichtung automatisch auf Tagesblitz-Blitzaufnahmen eingestellt.

■ In Belichtungsbetriebsart "M":

Achten Sie darauf, den Verschlusszeitenring auf "X" bzw. auf eine Verschlusszeit von 1/125 Sek. oder länger einzustellen, und verändern Sie die Blendeneinstellung danach so, daß die Anzeigen der von Ihnen eingestellten Verschlusszeit (blinkt) und des Meßwerts (leuchtet) übereinstimmen und nur eine Verschlusszeitanzeige blinkt.

● Verwenden Sie den Blitz nicht, wenn das Überbelichtungs-Warnsymbol "▲" blinkt und nicht erlischt. In einem solchen Fall machen Sie die Aufnahme anhand des normalen Verfahrens.

<Gebrauch des Belichtungskorrekturrings>

Der Belichtungskorrekturring kann dazu verwendet werden, die Blitzlichtmenge so zu regeln, daß gewünschte Effekte erzielt werden.



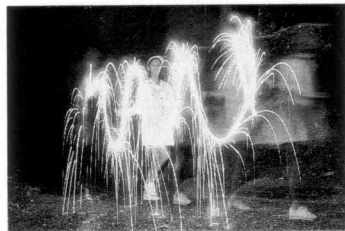
<Second Curtain Synchronization>

Second curtain synchronization is very useful for shooting moving objects using slow-shutter synchronization. In ordinary flash photography, the flash is fired immediately after the first curtain of the shutter has completed traveling (first curtain synchronization).

In combination with a Contax flash having a second curtain synchronization capability, the Contax ST can trigger the flash just before the second curtain starts to travel (second curtain synchronization).

Behind the subject illuminated by flash light, the movement of the subject illuminated by ambient light is captured like a flowing line so that its natural movement is depicted clearly.

*Picture taken with second curtain synchronization
Aufnahme mit zweiter Verschlusslamellen-Synchronisation
Photo prise avec synchronisation du deuxième rideau
Fotografía tomada con sincronización de la segunda cortina*



*Picture taken with first curtain synchronization
Aufnahme mit erster Verschlusslamellen-Synchronisation
Photo prise avec synchronisation du premier rideau
Fotografía tomada con sincronización de la primera cortina*

- The exposure is controlled in the same way as in the case of first curtain synchronization.

<Taking Pictures with Other Flash Units>

This camera has an X sync contact. If you use other flash units which do not belong to the TLA flash system, choose the manual exposure mode ("M") and set the camera's shutter speed to "X" (1/200 sec.), or 1/125 sec. or slower.

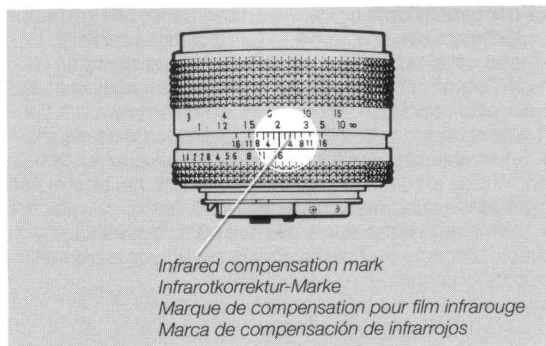
- Because some large-size flash units do not synchronize at 1/200 sec., it is recommended to make test exposure before use.
- If you use a cord type flash that has no direct contact, connect the cord to the sync terminal on the side of the camera.

<Aufnahmen mit anderen Blitzgeräten>

Diese Kamera ist mit einem X-Synchronisationskontakt ausgestattet. Achten Sie bei Verwendung von anderen Blitzgeräten als den Elektronenblitzen der TLA-Serie darauf, die manuelle Belichtungsbetriebsart ("M") zu wählen und den Verschlusszeitenring auf "X" (1/200 Sek.) bzw. auf eine Verschlusszeit von 1/125 Sek. oder länger einzustellen.

- Da bestimmte große Blitzgeräte bei 1/200 Sek. keine Synchronisation liefern, empfiehlt es sich, Testaufnahmen vor dem eigentlichen Einsatz zu machen.
- Bei Verwendung eines Kabelblitzgerätes ohne Direktkontakt schließen Sie das Kabel an die Auslöserbuche an der Seite des Kameragehäuses an.

Infrared Photography



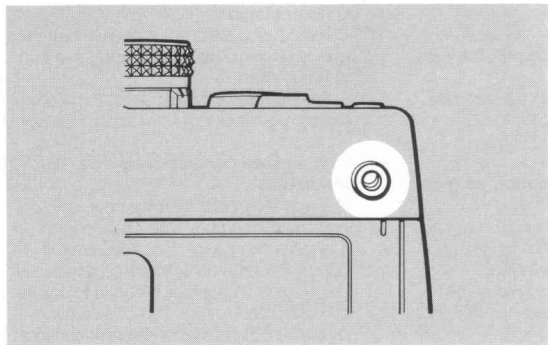
① Exposure

The camera's exposure meter cannot be used when taking pictures with an infrared film. Determine the exposure in accordance with the instructions of the infrared film.

② Infrared Compensation Mark

If you take infrared pictures with B & W infrared film (and red filter), infrared compensation is necessary because the point of focus will shift slightly compared to normal photography. Carl Zeiss lenses are provided with an infrared compensation mark for this purpose. First, focus the lens without filter as you would do normally, then attach the filter, shift that distance to the infrared mark and shoot.

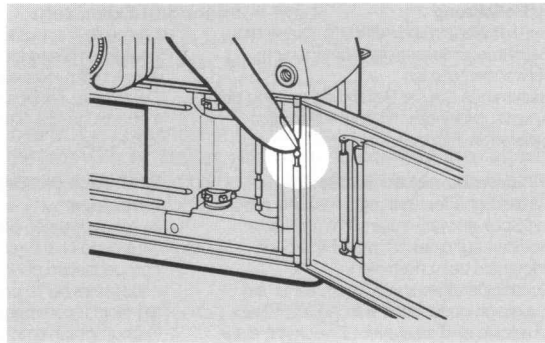
- If you use color infrared film, follow the instructions in the sheet packed with it.



<Release Socket>

The release socket has a contact for transmitting electric signals from the Cable Switch L and Auto Bellows to operate the shutter.

- Do not connect a commercially available, ordinary cable release (mechanically operated type) to this socket, because it will cause malfunction.

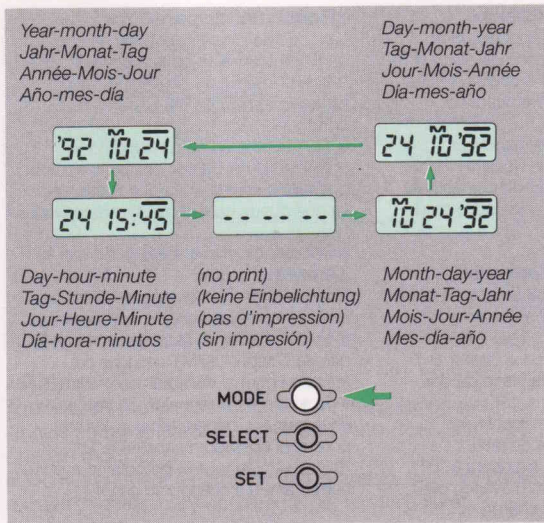


<Detaching the Camera Back>

The camera back can be detached by pushing down the coupling pin.

- You can install the Data Back D-7 for the Contax 167MT in place of the regular camera back.
- If the Data Back D-7 is mounted on the camera, caution is required because the counter will advance to "01", "02" ..., etc., even if the film is not advancing properly when it is loaded.

Printing the Date or Time



The auto dating unit in the camera back (data back) lets you print the date or time automatically in a space between the individual frames on the film.

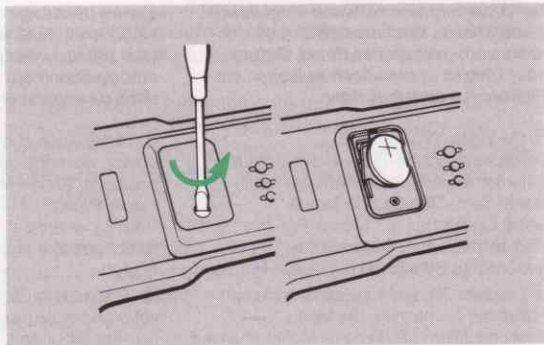
① Each time you press the date mode button, the date display will switch from “year-month-day” to “day-hour-minute”, “-- -- --” (dating off), “month-day-year”, and “day-month-year” in this order. Set your desired mode with this button.

② Depress the shutter release to take your picture. The mark “—” on the upper right of the date numbers will blink to tell you that the date has been printed on your picture.

- No date or time will be printed within the picture frame.
- The letter “M” above the month number stands for Month. It will not be printed.
- If you are shooting in the continuous shooting mode (C) with the data back in the “date printing” condition when the film speed is set to ISO 64 or less, the film winding speed will slow down. If you want to make it faster, set the dating mode to “dating off” (-- -- --).

<Correcting the Date and Time>

- ① Press the date mode button to show the number you want to correct.
- ② Press the date select button to make that number blink.
- ③ Press the date set button to set the correct date or time. (If ":" blinks in the day-hour-minute mode, you can set the correct time to 00 seconds. Press the date set button simultaneously with the time signal.)
- ④ After setting the correct date or time, press the date select button until the number stops blinking.



<Replacing the Data Back Battery>

The data back battery is a long life lithium battery (CR2025) which will normally last about 3 or 4 years. However, if the battery power becomes weaker, the date will appear faint and light on your picture or the liquid crystal display will function erratically. In such cases, replace the battery as illustrated in the above sketch.

- After changing the battery for the data back, be sure to reset the date and time.

Keep the dating unit battery (CR2025) out of reach of children. In case it has been swallowed, consult your physician immediately.

Camera Care and Precautions

- 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 batteries may be adversely affected.
- After taking pictures at the seaside or on mountains, clean the camera thoroughly. Salt air will cause corrosion and 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 spare batteries with you.**
- To clean the camera exterior, wipe with a soft cloth. Never use benzine, thinner or other solvents.

<Camera Storage>

- Keep the camera away from heat, moisture and dust. Do not store it in a wardrobe drawer containing mothballs or in a laboratory where there are chemicals that will cause damage to it.
- If you are not likely to use the camera for an extended period of time, remove the batteries to prevent possible damage by battery leakage.

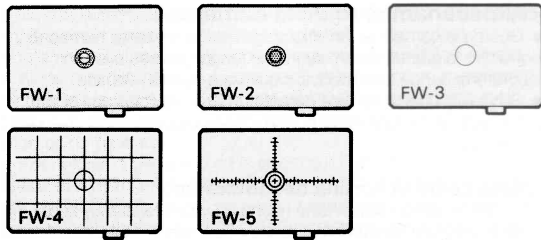
Note on the Shutter Curtain:

The shutter curtain is made of a very thin material. Never push it with your finger, or touch or wipe it. When changing film, take care that the film edge does not touch on the shutter curtain. When using an air blower, do not blow air strongly on the curtain because it may be damaged or deformed. Never use a pressurized blower.

Microcomputer protection circuit:

This camera incorporates a safety circuit to protect its microcomputer against strong external static electricity. Though rarely, it may fail to function because this safety circuit has come into action. In this case, set the main switch to OFF, remove the batteries, reload them and use the camera again.

Dedicated Accessories (separately sold)



<Focusing Screens, FW Type>

For the Contax ST, five interchangeable focusing screens are available: FW-1, FW-2, FW-3, FW-4, and FW-5. They have a circle of 5mm in diameter in the center to mark the spot metering area (an outer circle of the microprism on the FW-1 and FW-2).

- Never touch the focusing screens because they have been finished with high precision.
- When changing focusing screens, read the instructions packed with each unit carefully and always use the tweezers packed with it.

FW-1 (horizontal split-image/microprism screen).....

Standard equipment on the Contax ST. This screen enables you to focus on a split-image spot in the center, a microprism collar around it, and a surrounding matte area, and it is suited for a wide range of subjects.

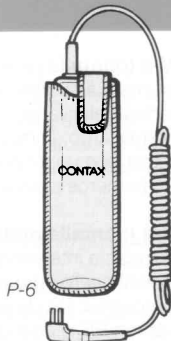
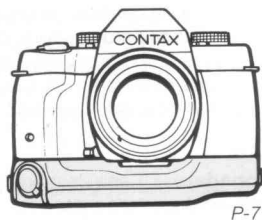
FW-2 (microprism dot/collar combination screen).....

This screen has microprisms of different angles in the center and around, and it is suited for a wide range of subjects. The microprism in the center allows you to focus precisely with a wide-aperture lens, and the surrounding one allows you to focus effectively with a narrow-aperture lens.

FW-3 (matte screen).....This screen consists of a matte area all around and is suited for a relatively narrow-aperture lens such as a long-focus lens. It is also suited when it is difficult to focus with a microprism or split-image spot for close-ups and others.

FW-4 (sectioned matte screen).....It has ruled lines at 6mm intervals on a matte screen and is especially suited for taking pictures by using camera movements with Auto Bellows or PC Distagon or when it is necessary to determine the composition strictly for copying work, etc.

FW-5 (cross-scale screen).....This screen is used for photomicrography and high-magnification close-ups. It has a cross scale with a bright, transmitting spot in the center. Adjust the focus so that the image does not shift with regard to the cross line by shifting the eye slightly to the left or right. Focusing can also be done on a surrounding matte area. The scale lines (1mm steps) enable you to estimate the size and magnification of the image



<Battery Holder P-7>

This battery holder holds four AA-size alkaline or manganese batteries or rechargeable NiCd batteries of equivalent size. Because they provide a higher capacity than AAA-size batteries, this holder is convenient when you want to take many shots at a time. Because it is equipped with a shutter release for the vertical position, you can take vertical-position pictures in a natural posture.

A connector for external power supply is also provided on the P-7 for connecting the Power Pack P-6 (optional accessory). If you use this power pack, you can avoid a decrease in battery performance in cold weather by taking pictures while keeping it warm.

- AA-size manganese batteries cannot be used because their capacity is too low.

Battery types and their capacities (Number of rolls of 24-exposure film that can be exposed with new batteries; according to Contax testing standard)

Batterien und ihre Kapazität (Anzahl von Rollen 24er Films, die mit frischen Batterien belichtet werden können; diese Angabe beruht auf Contax-Testbedingungen.)

Les piles et leur capacité (nombre de rouleaux de 24 poses pouvant être exposés avec des piles neuves; d'après les normes d'essai de Contax.)

Pilas y su capacidad (número de rollos de 24 exposiciones que pueden exponerse con pilas nuevas; según las normas de prueba de Contax).

Type of Battery Batterietyp Type de pile Tipo de pilas	Ordinary temperature Normaltemperatur Température ordinaire Temperatura normal
Four 1.5V alkaline batteries (AA size) Vier 1,5-V-Alkalibatterien (AA) Quatre piles alcalines de 1,5 V (taille AA) Cuatro pilas alcalinas de 1,5 voltios (Tamaño AA)	About 125 ca. 125 Environ 125 Cerca de 125
Four 1.2V Ni-Cd batteries (AA size) Vier 1,2-V-NiCd-Akkus (AA) Quatre piles Ni-Cd de 1,2 V (taille AA) Cuatro pilas de Ni-Cd de 1,2 voltios (Tamaño AA)	About 70* ca. 70* Environ 70* Cerca de 70*

* When fully charged. /* Im vollständig aufgeladenen Zustand.
* Entièrement chargé./* Cuando están completamente cargadas.

<Diptor Adjustment Lenses, FM Type>

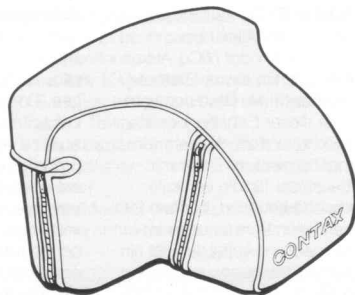
If you cannot adjust the eyepiece to your eyesight with the camera's diopter adjuster (+1D ~ -3D), use the eyesight adjustment lenses, FM type (optional accessories). The diopter correcting ranges with these lenses are as follows:

Diopter Adjustment Lens	Diopter Correcting Range
FM -3	-5.0D ~ -1.5D
FM +2	-0.5D ~ +4.0D

Attaching the FM type diopter adjustment lens:

Remove the eyepiece ring on the camera and screw in the diopter adjustment lens.

- Store the removed eyepiece ring carefully so that it does not get lost.



<Flex Case C-2>

By extending or contracting its front end, this case accommodates the Contax ST with a Carl Zeiss T* lens with a focal length of 135mm or shorter, or a Vario-Sonnar zoom lens 40 ~ 80mm, 35 ~ 70mm or 28 ~ 85mm.

* Use the Flex Case C-1 when the camera is equipped with a Battery Holder P-7.

Specification

Type: Auto-exposure 35mm single-lens-reflex camera with focal plane shutter.

Picture Size: 24 × 36mm

Lens Mount: Contax/Yashica MM mount.

Shutter: Vertical-travel metal focal-plane shutter.

Shutter Speeds: Automatic modes....16 sec. to 1/6000 sec. at "Av" and "P", 1 sec. to 1/4000 sec. (setting values) at "Tv"; Manual mode....1 sec. to 1/4000 sec., B and X (1/200 sec.).

Sync Contacts: Direct X contact (synchronizing speeds 1/200 sec. or slower), provided with sync terminal.

Self-timer: Electronic self-timer with a 10 sec. delay.

Shutter Release: Electromagnetic release, provided with a special release socket.

Exposure Control: ① Aperture-priority auto exposure, ② Shutter-speed-priority auto exposure, ③ Programmed auto exposure, ④ Manual exposure, ⑤ TTL auto flash control, ⑥ Manual flash control.

Metering System: TTL center-weighted average light metering/spot metering switchover.

Metering Range: EV 0 ~ 20 on center-weighted average light metering, EV 4 ~ 20 on spot metering (ISO 100, F1.4).

Film Speed Range: ISO 25 ~ 5000 for automatic setting with DX film, ISO 6 ~ 6400 for manual setting.

AE Lock: The quantity of light on the image surface is stored in memory.

Exposure Compensation: +2 EV ~ -2 EV (can be set in 1/3-EV increments).

A.B.C. Mode: ±0.5 EV/±1 EV exposure compensating values with A.B.C. lever..

Flash Light Control: TTL direct light control.

Automatic Shutter Speed Switching: In combination with dedicated flash, the shutter speed is automatically set when the flash is fully charged.

Second Curtain Synchronization: Possible with Contax flash having a second curtain synchronization capability.

Viewfinder: Pentaprism eye-level finder (long eye-point type), approx. 95% field of view, approx. 0.8X magnification (with 50mm lens at infinity and -1D diop. eyepiece) .

Dioptr Adjustment: Built-in diopter adjuster, correctable range +1D ~ -3D.

Focusing Screen: Horizontal split-image/microprism type (standard), interchangeable screens available.

Display in Viewfinder: Shutter speed, aperture, overexposure/underexposure warning, A.B.C. mode, exposure compensation, metering mode, exposure counter, flash mark.

Display Panel: Exposure counter/film speed/remaining time on self-timer/elapsed time on bulb exposure, drive modes (single-frame exposure, continuous shooting, self-timer), battery warning mark.

Film Loading: Auto loading, automatic film positioning to "01" on counter.

Film Advance: Automatic winding with built-in motor .

Film Rewinding: Automatic rewinding with built-in motor, automatic stop after rewinding is completed, mid-roll rewinding possible.

Exposure Counter: On display panel and viewfinder, both automatically resetting, additive type; displays the A.B.C.

Accessory Shoe: Direct X-contact hot-shoe (provided with TLA flash contact) .

Drive Modes: Single-frame exposure, continuous shooting, and self-timer modes.

Winding Speed: Up to about 3 frames/sec. on continuous shooting ("C" mode) (with new AAA-size alkaline batteries, at ordinary temperature, as tested according to Contax testing standard).

Technische Daten

Camera Back: Can be opened by camera back opening lever, detachable, provided with data back and film check window.

Data back: Built-in quartz clock (auto calendar), dates are printed in a space between frames (outside the picture area) simultaneously with film winding.

Power Source: Four AAA-size 1.5V alkaline batteries or four AAA-size 1.2V NiCd batteries, one lithium data-back battery (CR2025) in camera back.

Battery Check: Automatic check, battery warning mark in display panel.

Battery Capacity: About 50 rolls of 24-exposure film (with new AAA-size alkaline batteries, at ordinary temperature, as tested according to Contax testing standard).

Other: Aperture stop-down button.

Dimensions: 151.5 (W) x 97.5 (H) x 55 (D) mm

Weight: 800 g (without batteries) .

**Specifications and design are subject to change without notice.*

To make full use of the capabilities of this camera, it is recommended to use our interchangeable lenses and accessories with it. We may not be able to make repair for the damage or trouble that has occurred when it was used with products of other makers offered for use with Contax camera.

Kameratyp: Einäugige Spiegelreflexkamera mit Belichtungsautomatik und Schlitzverschluss

Bildformat: 24 x 36 mm

Objektivfassung: Contax/Yashica-MM-Anschluß

Verschluss: Vertikal ablaufender Metall-Schlitzverschluss

Verschlusszeiten: 1/6000 bis 16 Sek. bei Automatikbetrieb in den Betriebsarten "Av" und "P", 1/4000 bis 1 Sek. in der Betriebsart "Tv" (Einstellwerte); 1/4000 bis 1 Sek., "B" und "X" (1/200 Sek.) bei manuellem Betrieb ("M").

Synchronisationskontakte: Direkt-X-Kontakt (Synchronisation bei 1/200 Sek. oder länger) und Synchronisationsanschluß

Selbstauslöser: Elektronischer Selbstauslöser mit 10 Sek. Vorlaufzeit

Verschlussauslöser: Elektromagnetisches Auslösesystem mit Spezialauslöserbuchse

Belichtungsbetriebsarten: ① Belichtungsautomatik mit Blendenvorwahl, ② Belichtungsautomatik mit Verschlusszeitenvorwahl, ③ Programm-Belichtungsautomatik, ④ manuelle Belichtung, ⑤ TTL-Blitzautomatik, ⑥ manueller Blitz

Meßsystem: TTL-Offenblenden-Lichtmessung mit Mittenbetonung und TTL-Offenblenden-Spotmessung (umschaltbar)

Meßbereich: EV 0 bis EV 20 bei mittenbetonter Lichtmessung, EV 4 bis EV 20 bei Spotmessung (f/1,4-Objektiv, ISO 100)

Filmempfindlichkeitsbereich: ISO 25 bis 5000 in DX-Auto-Betriebsart, ISO 6 bis 6400 in manueller Betriebsart

Meßwertspeicher: Der Wert der auf dem Motiv gemessenen Lichtmenge wird festgehalten.

Belichtungskorrektur: +2 EV bis -2 EV (mit 1/3-EV-Schritt-Raststellungen)

A.B.C.-Betriebsart: Belichtungskorrekturwerte von $\pm 0,5$ EV und ± 1 EV über A.B.C.-Schieber

Blitzlichtregelung: Direkte TTL-Lichtregelung