

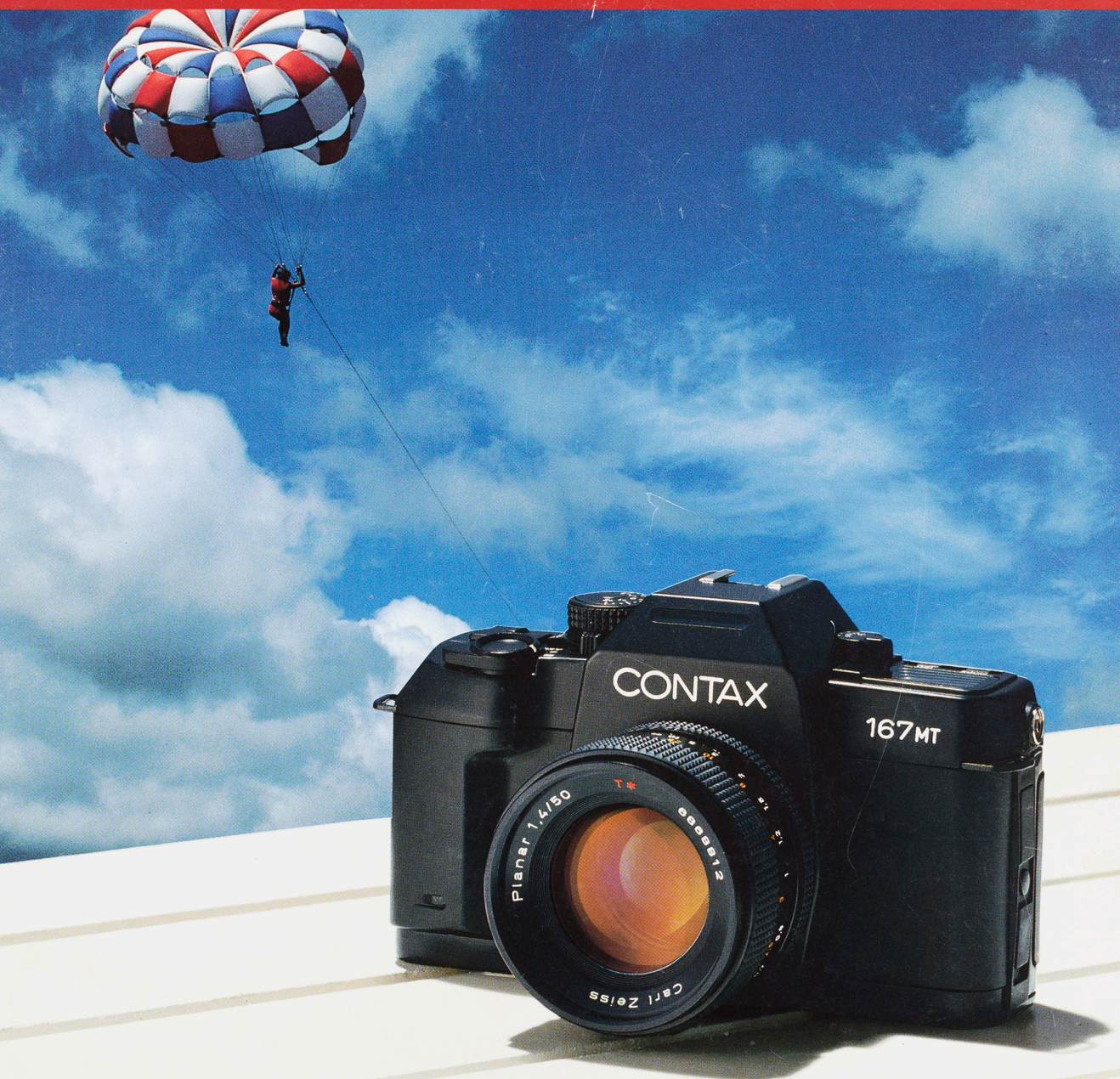
Challenging the Future



A major new SLR in the Contax tradition.

Introducing the world's first SLR with in-camera Auto-Bracketing, plus two-motor film advance and rewind, 1/4000 sec. top shutter speed, and Center Weighted/Spot Meter Control.

CONTAX 167_{MT}



www.panchromatique.ch

Precision and Control From the Legendary Contax

- Automatic Bracketing Control
- Center-weighted/spot metering
- 1/4000 sec. shutter speed
- Built-in power wind/rewind/auto-loading
- Ten different exposure modes
- Film counter display in the viewfinder



With its enormous versatility and Contax lineage, the 167 MT gives the photographer unprecedented exposure control. This exquisite photographic tool provides all of the functions expected from modern electronic cameras, and it includes a world's first: In-camera Automatic Bracketing Control. With this feature, three frames can be shot automatically at different exposure values (over-exposed, normal, under-exposed), either continuously or one at a time. The Contax 167 MT also provides a choice of Center-weighted or Spot Metering, Exposure Compensation and AE lock. All of which can be used in combination. Exposure control ranges from 3-mode programmed exposure to aperture- and shutter-priority. Manual control is also available. And the 2-motor drive system automatically loads, advances and rewinds the film, leaving the photographer completely free to concentrate on the subject.

The Contax 167 MT is also equipped with legendary Carl Zeiss T*(T Star) lenses, the highest-grade optics available.

CONTAX 167^{MT}



Continuously Outstanding Results



Vario-Sonnar T * f/3.4 35—70mm MM at f/5.6, over-exposure (+0.5 EV)



Over-exposure (+0.5 EV)

Normal exposure

Under-exposure (-0.5 EV)



Automatic Bracketing Control

The Contax 167 MT is the first camera ever to offer Automatic Bracketing Control. What does that mean? It's a well known fact that skilled photographers,

at some time or other, bracket exposures to assure the best possible results. Now this often necessary but troublesome procedure can be performed automatically.

With one simple lever operation, three exposures can be made, each at a different setting (over-exposure, normal and under-exposure). The bracketing range can be varied from ± 0.5 EV to ± 1.0 EV in the AV mode, and from ± 1.0 to ± 1.5 EV in the Program and TV modes.

When the Drive Mode Selector is set to "C" and the shutter release is held down, the three exposures will be made in rapid succession, automatically. After that, the camera stops. Three more exposures can then be made by again holding down the release. The Selector can also be set to "S" to make each exposure individually, but in the same sequence of over-exposure, normal, under-exposure. Either way, fully bracketed shots are obtained without the bother of manually changing exposure values. But the best is still to come.

This function can also be combined with the other modes and functions for an amazing degree of exposure flexibility. For example, the entire

bracketing range can also be adjusted ± 2 full EV values using the Exposure Compensation Dial. Or automatic bracketing can be combined with Spot Metering and AE Lock for really tight control.

ABC Lever/Exposure Compensation Dial

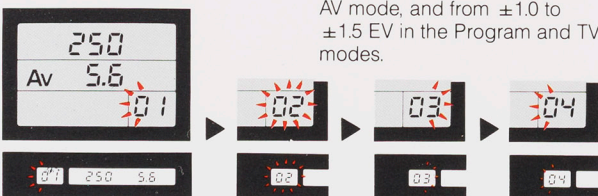
This control provides a wide range of exposure control. The range is 2 full stops in either direction, sufficient even for severe backlighting. This function can also be combined with automatic bracketing and Spot Metering/AE Lock.



ABC Lever and the Indications

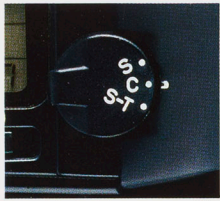
Drive Mode Selector

This control enables rapid changes between continuous and single-frame motor-drive operation. Just set the dial to "C" for rapid sequences at



ABC lever is ON. Film counter flashes, left side only. 1st. exposure completed, both figures flash. 2nd. exposure completed, right side only flashes. 3rd. exposure completed, left side only flashes (to indicate ready for the next ABC cycle).

*ABC Control does not work in the Manual or Flash modes.



Drive Mode Selector set at "C".

3 fps. Or to "S" for instant response with full personal control. This dial also controls the built-in 10-second electronic self-timer.

AE Lock

When ambient lighting is especially difficult, you can take spot metered readings of subjects, lock in the exposure values, and then shoot with assurance. This is a great feature for backlit subjects and

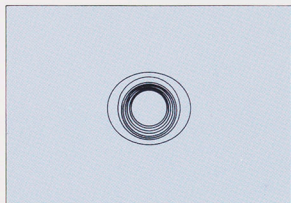


AE Lock set.

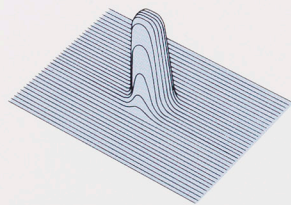
other difficult situations. An example, when you want the subject to appear off-center (outside the spot metering area) and normal metering would produce incorrect exposure due to differences in lighting between subject and background. Once set, the same exposure value can be used as many times as desired. The AE Lock can only be used with spot metering.



Vario-Sonnar T* f/4 80—200mm MM at f/8, 1/250 sec., Spot metering



Spot metering pattern.

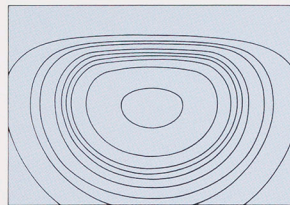


Spot Metering

The built-in spot metering system of the Contax 167 MT provides pinpoint accuracy and more certain results under difficult lighting conditions. For example, backlit subjects can be metered without including the background. Or one particular area can be metered to produce exactly the desired rendering. The micropism collar in the center of the viewfinder shows the approximate area covered by the spot metering system.



Vario-Sonnar T* f/4 80—200mm MM at f/8, 1/250 sec., Center-weighted metering



Center-weighted Metering pattern.



Center-weighted Metering set.

Center-weighted Metering

This type of metering is suitable for most subjects. The overall illumination is measured, with emphasis on the center area where the subject will most likely appear. The different light intensity values are then averaged to give a reading that produces the best possible overall exposure.



Distagon T* f/2 28mm MM at 1/4000 sec. (TV mode)

1/4000 SEC.

The shutter developed for the Contax 167 MT features an action-freezing top speed of 1/4000 sec. Not only that, the rugged construction and precision electronic control

ensure highly consistent shutter speeds throughout the range. So results are always consistent, too.

Ten-Mode Exposure Control



Distagon T* f/2.8 25mm MM at f/5.6 (AV mode)

AV

Aperture-priority Mode

This mode is most suitable for shots where depth-of-field control is important. After the aperture is selected, the camera automatically sets the correct shutter speed. Small apertures can be used for sharp focus throughout the scene. Or, the aperture can be opened up for selective focus. Like people, animals or plants sharply emphasized against the soft, blurred colors of the background. It is that simple. The shutter speed range in this mode is 16 sec. to 1/4000 sec.

TV

Shutter-speed Priority Mode

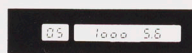


Setting the lens aperture at its smallest setting (green).

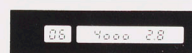
When speed is the critical factor, this is the mode to choose. Fast shutter speeds can be selected for quick paced action. And the camera automatically selects the aperture accordingly. The top shutter speed of 1/4000 sec. is able to stop almost any movement. Slow shutter speeds can be used for intended blurring to better express the feeling of movement, or to allow the diaphragm to stop down for greater depth-of-field. If lighting conditions are such that incorrect exposure would result at the set shutter speed, the camera automatically selects the correct shutter speed.



Planar T* f/1.4 50mm MM at 1/4000 sec. (TV mode)



Aperture-priority mode



Shutter-speed priority mode



Tele-Tessar T* f/4 200mm MM at HIGH-SPEED PROGRAM mode



Distagon T* f/2.8 28mm MM at LOW-SPEED PROGRAM mode.

HP High-speed Program Mode

This mode is especially useful for shooting moving subjects under rapidly changing light conditions where there is no time to constantly check exposure. Although both shutter speed and aperture are selected automatically in accordance with the built-in program, emphasis is placed on the faster shutter speeds. Exposure values change instantly as light conditions vary for complete freedom to concentrate on the subject.

LP Low-speed Program Mode

This mode still adjusts exposure values automatically, but is weighted toward smaller apertures and lower shutter speeds. This makes it possible to obtain greater depth-of-field than in the other program modes. Ideal for scenery and still life shots.



Setting the lens aperture at its smallest setting (green).

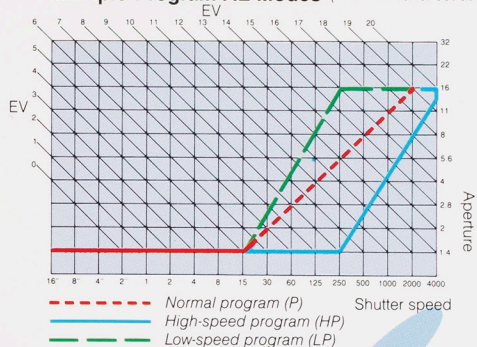
P Program Mode

This mode was designed to give correct exposure quickly and easily under the majority of conditions encountered in normal photography. Both shutter speed and aperture change automatically as light intensity falls and rises. This mode is mainly used in situations where conditions are not particularly difficult.



Distagon T* f/4 18mm MM at f/5.6, 16 sec. (M mode)

Multiple-Program AE Modes (MM F1.4 lens: set at f/16)

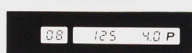


M Manual Dexterity Lives On

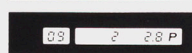
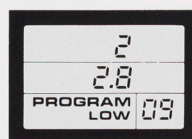
There are some situations where nothing can ever replace the human element. When lighting is especially difficult, or a special effect is the goal, this mode is indispensable because of the full control over all exposure values. Once the mode is set, sliding the Operation Button to one side or the other changes the shutter speeds up or down. The "+" or "-" LED in the viewfinder display flickers until the exposure is correctly set, then both go out. The shutter speed range is 16 sec. to 1/4000 sec. Exposure values can be checked anytime by lightly pressing the release button.



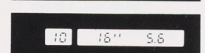
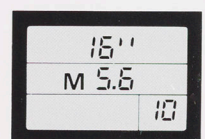
High-speed program mode



Normal program mode



Low-speed program mode



Manual exposure mode

Make Flash Photography An Illumina



Planar T* 1/1.4 85mm MM at 1/4, 1/125 sec. (AV mode) + TLA 30 Flash

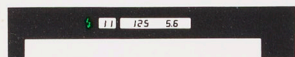


Distagon T* 1/2.8 25mm MM at 1/5.6, 1/125 sec. (AV mode) + TLA 30 Flash

ting Experience

TTL Automatic Flash Exposure

Combined with the Contax TLA Flash System, the Contax 167 MT provides full TTL (Through-The-Lens) automatic flash exposure control. A green "⚡" LED mark built into the viewfinder lights automatically when the flash unit is charged and ready for action. Automatic flash can be used at all apertures.



AV, TV, M mode



PROGRAM mode

Flash Sync Speed

In all of the auto exposure modes, the Contax 167 MT automatically sets the flash sync speed to 1/125 sec. when one of the TLA Flash System units is connected and fully charged. The "⚡" mark lights to indicate that the flash is charged, and the 1/125 sec. display (125) flashes when over-exposure will result.

In the manual mode, flash sync is possible at any shutter speed up to 1/125 sec. for highly effective daylight sync. When set to a speed faster than 1/125 sec. the shutter will

automatically be reset to 1/125 sec. when the flash unit is fully charged.

Using AE Lock and Exposure Compensation

Applying the AE Lock at flash sync speeds slower than 1/125 sec. in AV mode will lock in that speed until released. When the camera is set to a shutter speed faster than 1/125 sec., both the flash sync speed and the AE Lock will automatically be reset to 1/125 sec. as soon as the flash is fully charged. Dark backgrounds can be avoided in flash photographs by metering the background and using the AE Lock, then using the flash to illuminate the subject.

After the AE Lock is applied, the Exposure Compensation Dial can also be used to fine tune flash exposures.

TLA Flash System

When mounted on the Contax 167 MT and set to the TTL Auto mode, the TLA20, TLA30, RTF540 and other members of the Contax TLA Flash System line-up provide fully automatic flash exposure. A fast acting behind-the-mirror SPD cell in the Contax 167 MT measures the light reflected directly from the surface of the film for instantaneously accurate flash exposures. Multi-flash and extension flash accessories are available.



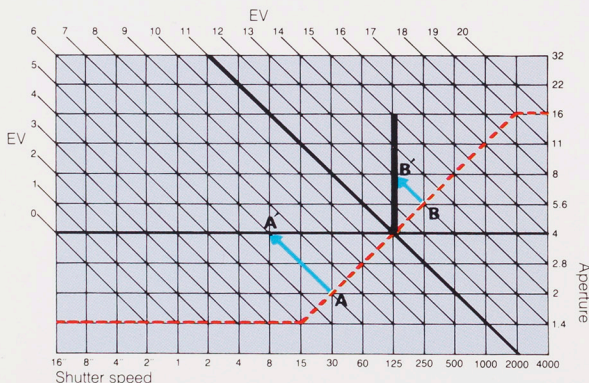
Contax 167 MT + RTF 540 set



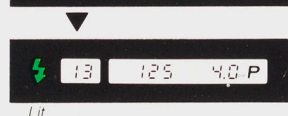
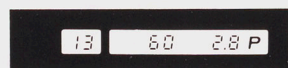
Contax 167 MT + TLA 30



Contax 167 MT + TLA 20

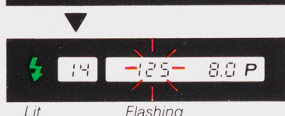
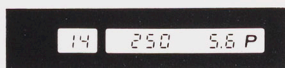


P mode + TLA Flash (up to 1/125 sec.)



Lit

P mode + TLA Flash (above 1/125 sec.)



Lit

Flashing

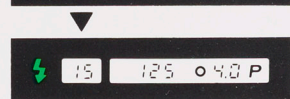
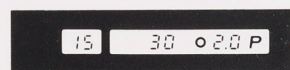
PROGRAM MODE (using TLA Flash)

1. Above EV11
When the flash is fully charged, the shutter is automatically reset to 1/125 sec. and the aperture is reset to the relevant value on the same EV line. The "125" display in the viewfinder will flicker if overexposure will occur at 1/125 sec. and f/16. (B→B')

2. At EV11
None of the exposure values will change when the AE Lock is applied and the flash is fully charged.

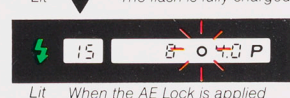
3. Below EV11
When the flash is fully charged, the aperture is automatically reset to f/4 and the shutter speed is reset to 1/125 sec. When the AE Lock is also set, the aperture is set to f/4 and the shutter speed is set to the corresponding value for the same EV. (A→A')

P mode + AE Lock + TLA Flash (up to 1/125 sec.)



Lit

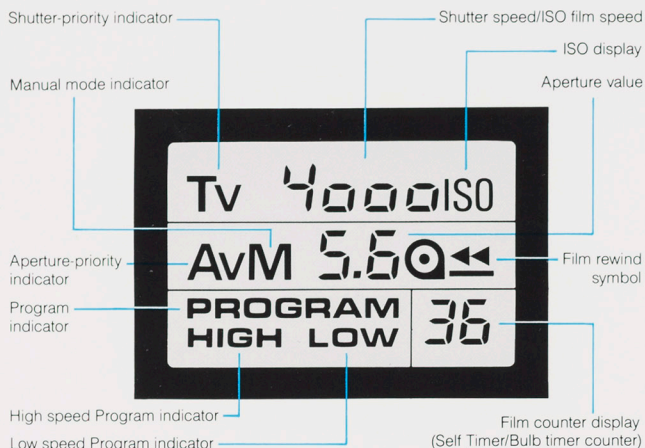
The flash is fully charged.



Lit

When the AE Lock is applied the shutter is automatically reset to 1/8 sec.

A New Level in Body Design



From the hand-filling shape to the convenient layout of the controls, the Contax 167 MT represents a new level in SLR body design.

You will immediately appreciate the sleek overall design. With an easy-to-hold grip for extra security and easier, steadier camera holding. And modern push-button controls for quick, easy setting of shutter speeds, modes and other important values. With the easy-to-read external display panel and viewfinder display of all necessary information, you always know exactly what is going on.

External Display Panel

The external LCD display panel provides a large, highly legible display of the mode being used, shutter speeds, apertures, number of exposed frames and the ISO film speed when the ISO button is pressed. This display is also used for the self-timer and for timing ultra-long exposures.

Main Switch

The main switch turns the camera power supply on and off. It also serves as the Center-weighted/Spot Metering switch and the AE Lock switch. The functions are selected merely by moving the switch to the desired position.

Mode Button

Pressing this button and sliding the Operation control left or right quickly selects any exposure mode (TV, AV, Manual, High-speed Program, Program, Low-speed Program).

Shutter-speed and aperture indication

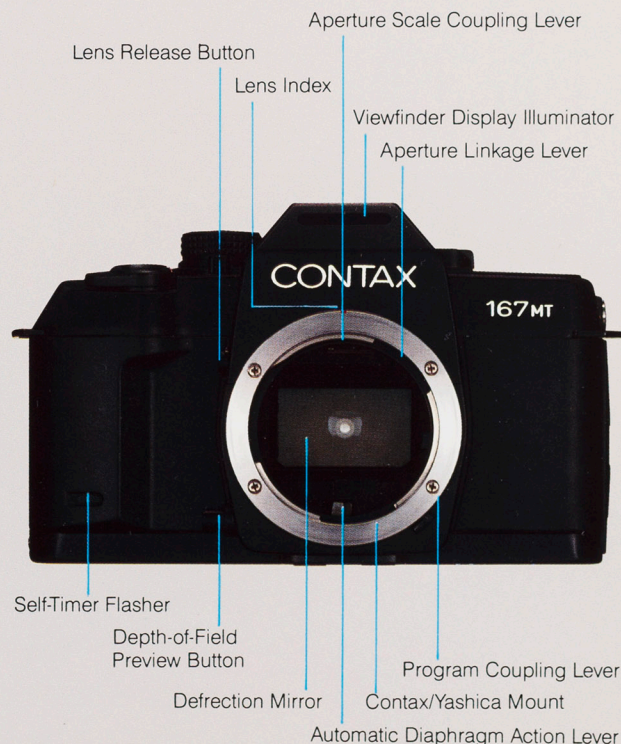
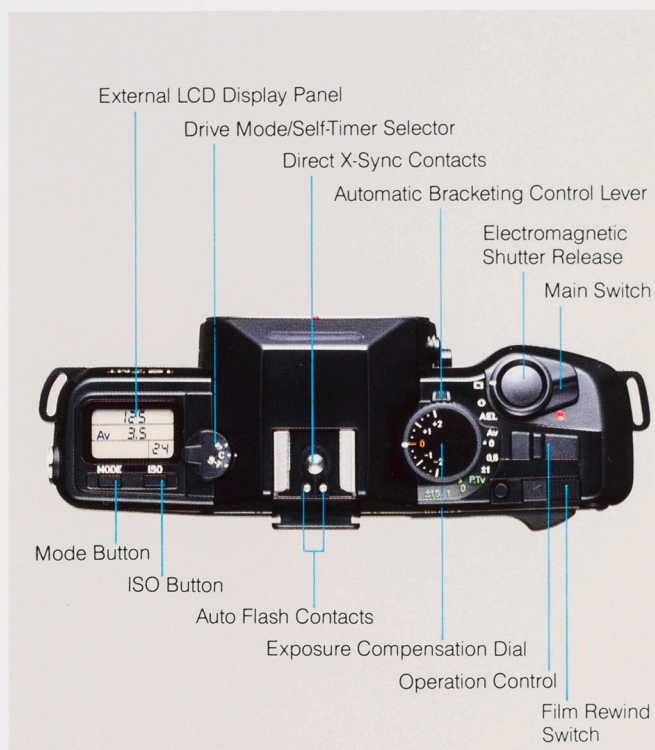
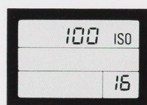
Shutter-speed (AE mode)	(Manual mode)	Aperture
4000	4000	32
2800	2000	27
2000	1000	22
1400	500	19
1000	250	16
700	125	13
500	60	11
350	30	9.5
250	15	8.0
180	8	6.5
125	4	5.6
90	2	4.5
60	1"	4.0
45	2"	3.5
30	4"	2.8
20	8"	2.4
15	16"	2.0
10	bulb	1.7
8		1.4
6		1.2
4		
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2"		
2"8		
4"		
6"		
8"		
11"		
16"		

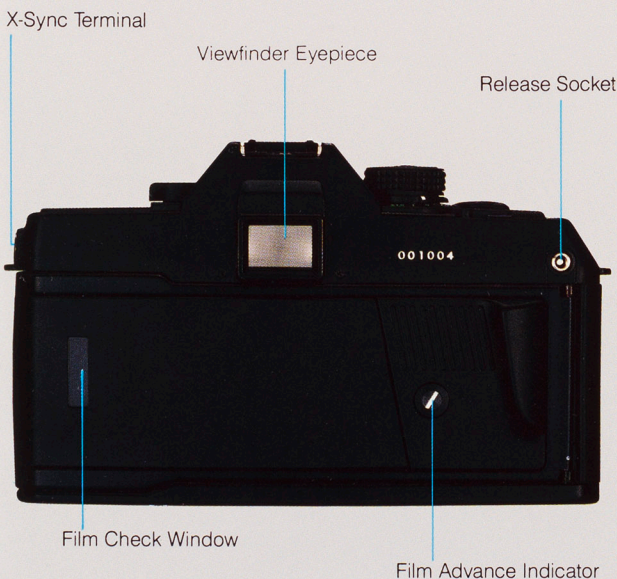
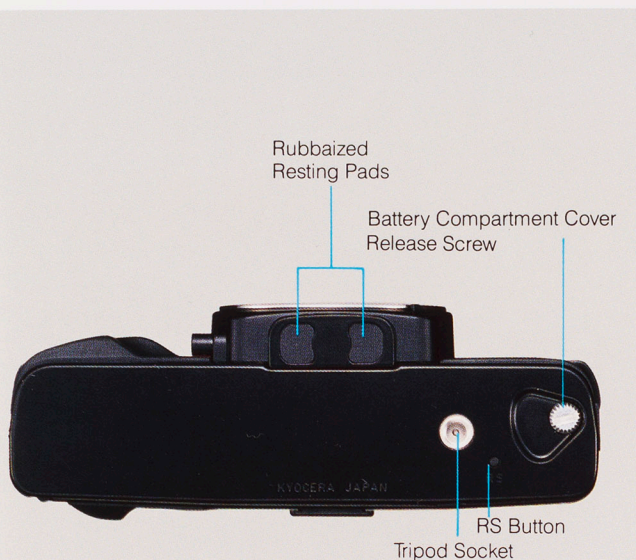
Automatic DX-coded Film Speed Setting

When DX-coded film cassettes are used, the Contax 167 MT automatically senses the film speed rating and sets the exposure system accordingly. Film speed can also be set manually for non-DX films.

ISO Button

This button is used to confirm film speed, and to manually set film speeds when DX film is not being used. When this button and the Mode button are pressed, the film speed (25-5000) and ISO mark are shown at the position normally occupied by the shutter speed.





Exposure compensation
Film counter
Flash-ready mark
Shutter speed
Spot metering
Aperture
Program mode



Battery Check

To check the battery, turn on the Main Switch and then press the Mode Switch and ISO Button at the same time. If all displays on the external display panel appear, the battery voltage is normal. The display flashes when the voltage is low.



Viewfinder Display

A light touch of the shutter release button turns on the internal viewfinder display of relevant information anytime. A "P" mark indicates when a program mode is being used. The shutter speed and aperture settings are shown in all modes, together with indication of whether center-weighted or spot metering is being used. Even the number of exposed frames and flash-ready status are displayed. "+" or "-" symbols also appear to indicate whether positive or negative exposure compensation is being used. And all displays are clearly visible even at night.

Film Counter

Built into the External Display Panel, this counter shows the number of exposed frames (up to 39) during normal operation. When the self timer is used, however, the remaining time (0—10 sec.) is shown. Bulb exposure times are also counted up to 59 sec., after which the 59 sec. cycle can be repeated as many times as required.



Drive Mode/Self Timer Selector

This dial is used to select continuous (C) or single-frame (S) motor-drive operation. At the "C" position, the camera will continue making exposures at 3 fps as long as the release button is pressed. At the "S" position, one exposure is made each time the release is pressed. This selector is also used to activate the Self Timer functions.

Long (Bulb) Exposures

In addition to metered exposures of up to 16 seconds, a Bulb setting is also provided for ultra-long exposures. Exposures times of up to 59 sec. can be displayed. For longer exposures, the 59 sec. cycle can be repeated as often as required.

Auto Rewind Button

This button activates the rewind motor to quickly and automatically rewind the exposed film back into the cassette. When the film has been rewound, the motor automatically stops.

Focusing Screens*



FU-3
45° Split
Microprism



FU-4
Standard
Focusing Screen
(horizontal split
microprism)



FU-5
Matte



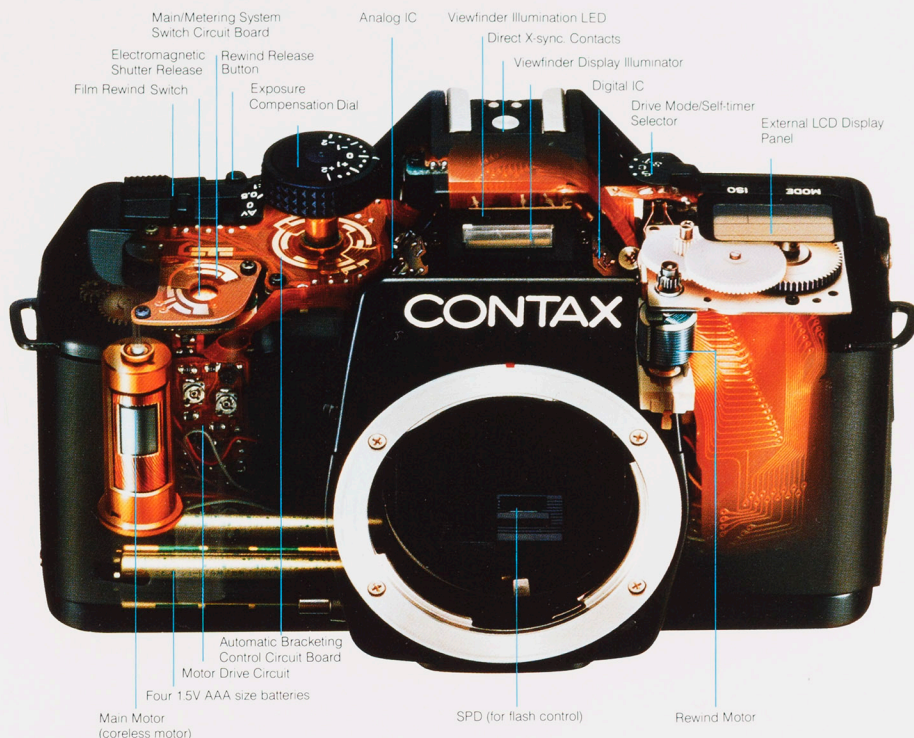
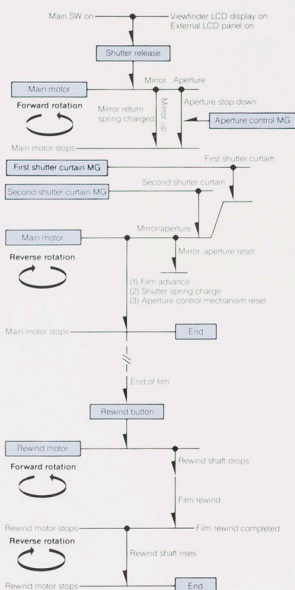
FU-6
Matte Grid

* Interchangeable by user.

The Basis of Reliability and Precision

Sequential Chart

< SW=Switch, MG=Magnet >



Two-motor System

A two-motor system is used in the Contax 167 MT. One motor auto-loads and advances the film, resets the mirror and aperture, and sets the shutter after each exposure. The other motor is used exclusively to rewind the film. When the film has been rewound, this motor backs up slightly to release tension so the film cassette can be more easily removed. The two-motor system results in simpler, more reliable construction, and higher durability.

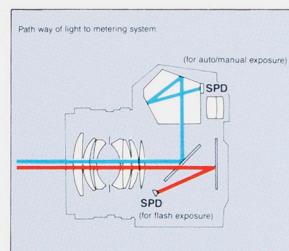
CMOS LSI Circuitry

The electronic circuitry of the Contax 167 MT centers around a digital LSI CMOS CPU microprocessor, and a quartz

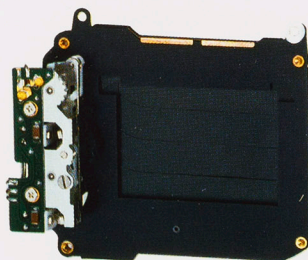
crystal oscillator which accurately controls the timing of all operations. In addition, there are separate ICs for exposure metering, internal interfaces and the calculation of values.

SPD Exposure Metering System

The Contax 167 MT uses SPD (Silicon Photo Diode) cells in its exposure metering system. Famous for fast, accurate response, these cells ensure the ultimate in exposure accuracy. One cell is located in the pentaprism to measure the light



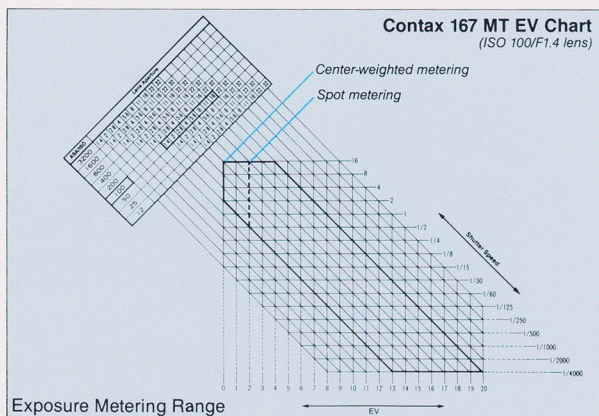
from the scene as viewed. This cell is used for both center-weighted and spot metering. Another cell, embedded in the mirror box, measures the light reflected from the film surface for highly accurate, consistent automatic flash exposures.



Shutter Unit

Vertical Travel Focal Plane Shutter

The heart of any camera body is the shutter. And the Contax 167 MT is equipped with one of the best. This vertical travel, metal-blade shutter is lightweight yet sturdy enough to withstand the rigors of professional usage. The precision construction and electronic control deliver shutter speeds of extreme accuracy and consistency. The advanced engineering of this shutter has also made possible a top speed of 1/4000 sec.—the ultimate in action-stopping capability.



Aluminum Alloy Diecast Body

Reliability and precision are key words for skilled, hardworking photographers. A camera is useless to such people unless it can deliver consistent performance day in and day out. To fill such needs, the Contax 167 MT is built around a rugged, heavy-duty aluminum alloy body casting which provides a solid anchor for all other mechanisms.

Options That Increase Your Capabilities



Planar T* f/1.4 50mm MM at f/5.6, 1/125 sec. (AV mode) + Data Back D-7

Contax Data Back D-7 Multi-Function Type

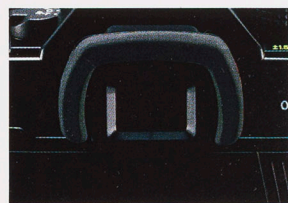
The Contax D-7 Data Back can be quickly and easily installed. The built-in digital LCD and quartz clock and calendar provide a variety of functions. Virtually all of the characters found on a typewriter keyboard can be used to enter the year (to 2079), month, day, hour and minute. The date or the time, or

both together, can be recorded on photographs. And five separate 10-character messages can also be stored and used, with or without the date or time. When not needed, the D-7 can simply be turned off. Two lithium batteries provide power for up to three years.

There is also an intervalometer function which can make up to 99 exposures



at intervals of up to approx. 100 hours. Starting times can be set in minutes, hours, days and months.



Diopter Lenses and Eye-cup

To ensure clear vision, 8 different FL type diopter lenses are available in a variety of strengths. The F-3 eye-cup also clips on firmly to hold the diopter lenses in place, and helps to prevent the entry of extraneous light. The eye-cup can be used with or without the diopter lenses. The back cover can be opened and closed with the eye-cup in place.

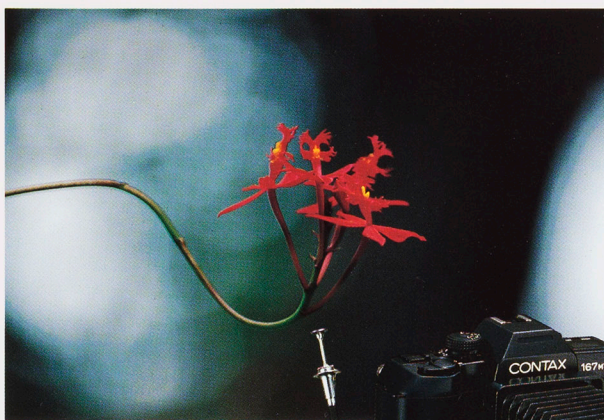


Magnifier F-2

This rotating, hinged magnifier provides a magnification ratio of 2.1X for critical work. The 4-element, 2-group configuration also helps to cut peripheral flare. Use is possible with the Data Back or a flash unit installed.

Macrophotography Accessories

The many Contax macrophotography accessories available for the Contax 167 MT include the Auto Bellows PC Set, Slide Copier, Macro Stand and Carl Zeiss T* lenses (S-Planar T* f/2.8 60mm < Macro > and Macro-Planar T* f/2.8 100mm < Macro >) specially designed for close-up applications.



S-Planar T* f/2.8 60mm

Battery Holder P-5

The optional Battery Holder P-5 holds four AA batteries to deliver extra power for tough conditions such as cold weather photography. Or extended shooting sessions. There is also a connector for the optional Contax Power Pack P-6.



Battery Holder P-5 ① and Power Pack P-6 ②

Other Close-up Attachments

Contax Right-angle Finder, Contax Cable Switches (4 types), Contax Auto Extension Tube Set, Yashica Microscope Adapter, Yashica Copy Stand.



Contax 167 MT with Auto Bellows PC Set

Carl Zeiss **T*** (T-Star) Lenses For True



Distagon T* f/4 18mm MM at f/8 (AV mode)

A Visible Difference

Some say there is little difference between modern lenses. Put the results side by side, however, and there is a visible difference. For generations, Carl Zeiss T* lenses have been famous for true to life images and outstanding color reproduction.

Optical Design

The secret of the true to life reproduction is in the optical design. And performance is optimum even at full aperture, or under poor lighting conditions. In fact, these are conditions where the visible difference really becomes apparent.

Famous T* Coating

The special Carl Zeiss T* multi-layer reflection coating produces ultra-flat transmission of light of all wavelengths. Coupled with the total elimination of internal reflection, the result is color reproduction of high purity.

The MM Series

While these lenses retain the traditional Carl Zeiss quality, they are designed for use with Contax cameras having program exposure modes. So you have the best of two worlds. The traditional optical performance and the accuracy of modern electronics combine to enable you to get the best possible photographs under any condition.

The AE Series

Since they share the same Contax/Yashica mount, conventional AE Series Carl Zeiss T* lenses can also be used with the Contax 167 MT in the manual and aperture-priority exposure modes.

Carl Zeiss Mutar 2X Teleconverters

The Mutar T* I provides 2X magnification with any Carl Zeiss T* lens. And the Mutar T* II delivers best results with certain T* lenses of 135mm focal length, or greater. Only the Aperture-priority (AV) mode and Manual mode can be used with these teleconverters.



Tele-Tessar T* f/4 200mm MM at f/5.6 (AV mode)

Contax Camera Cases Front Covers (C-312/C313) are used for Cases (C-31/C-32)

167MT Camera Cases	Fits Carl Zeiss T* Lenses with filter & lens cap	Fits Carl Zeiss T* Lenses with filter, soft lens shade and lens cap
Standard Case (C-31)	D28/2.8 D35/2.8 P50/1.4 P50/1.7	
■ Camera + Data Back Case (C-32)		
■ Front Cover (C-312)	D35/1.4 D18/4(*), S-P60, VS35-70 PC-D35/2.8(*), P85/1.4 D28/2, P100/2	D25/2.8, P50/1.4 D28/2.8 P50/1.7 D35/2.8, S85/2.8 S100/3.5
■ Front Cover (C-313)	D18/4(**) MP100/2.8, PC-D35/2.8(**) P135/2 S135/2.8, VS28-85	D28/2, P100/2 D35/1.4, S-P60 P85/1.4

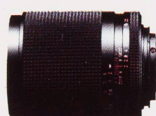
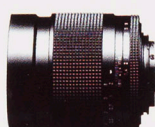
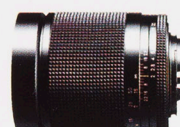
*Without filter. **Using filter with 70/86 Ring.

D=Distagon, S=Sonnar, T=Tessar, P=Planar, F-D=F-Distagon, VS=Vario-Sonnar.

S-P=S-Planar, PC-Distagon, MP=Macro-Planar

■Special Order Only

to Life Reproduction

Distagon T* f/4
18mm MMDistagon T* f/2.8
25mm MMDistagon T* f/2
28mm MMDistagon T* f/2.8
28mm MMDistagon T* f/1.4
35mm MMDistagon T* f/2.8
35mm MMPlanar T* f/1.4
50mm MMPlanar T* f/1.7
50mm MMPlanar T* f/1.4
85mm MMSonnar T* f/2.8
85mm MMPlanar T* f/2
100mm MMSonnar T* f/3.5
100mm MM

Planar T* f/2 135mm MM



Sonnar T* f/2.8 135mm MM



Sonnar T* f/2.8 180mm MM



Tele-Tessar T* f/4 200mm MM



Mutar T* I (2X)



Mutar T* II (2X)



Vario-Sonnar T* f/3.4 35—70mm MM



Vario-Sonnar T* f/4 80—200mm MM



Tele-Tessar T* f/4 300mm MM

Interchangeable Carl Zeiss T* Lenses

Lens	Elements/Groups	Angular Field	Minimum Focus	Aperture Range	Diameter × Length	Weight
Distagon T* f/4 18mm MM ★	10—9 (F)	100°	0.3 m (1 ft.)	f/4 —f/22	70.0 × 51.5mm	350g
Distagon T* f/2.8 25mm MM ★	8—7	80°	0.25m (10")	f/2.8—f/22	62.5 × 56.0mm	360g
Distagon T* f/2 28mm MM ★	9—8 (F)	74°	0.24m (10")	f/2 —f/22	62.5 × 76.0mm	530g
Distagon T* f/2.8 28mm MM ★	7—7	74°	0.25m (10")	f/2.8—f/22	62.5 × 50.0mm	280g
Distagon T* f/1.4 35mm MM ★	9—8 (F) (A)	62° 30'	0.3 m (1 ft.)	f/1.4—f/16	70.0 × 76.0mm	600g
Distagon T* f/2.8 35mm MM ★	6—6	62°	0.4 m (1.5 ft.)	f/2.8—f/22	62.5 × 46.0mm	245g
PC-Distagon T* f/2.8 35mm <Shift>	9—9 (F)	63° (83°)	0.3 m (1 ft.)	f/2.8—f/22 (M)	70.0 × 85.5mm	725g
Planar T* f/1.4 50mm MM ★	7—6	45°	0.45m (1.5 ft.)	f/1.4—f/16	62.5 × 41.0mm	275g
Planar T* f/1.7 50mm MM ★	7—6	45°	0.6 m (2 ft.)	f/1.7—f/16	61.0 × 36.5mm	190g
Planar T* f/1.4 85mm MM ★	6—5	28° 30'	1.0 m (3.5 ft.)	f/1.4—f/16	70.0 × 64.0mm	595g
Sonnar T* f/2.8 85mm MM ★	5—4	27° 30'	1.0 m (3.5 ft.)	f/2.8—f/22	61.0 × 46.5mm	230g
Planar T* f/2 100mm MM ★	6—5	24° 30'	1.0 m (3.5 ft.)	f/2 —f/22	70.0 × 84.0mm	670g
Sonnar T* f/3.5 100mm MM ★	5—4	24°	1.0 m (3.5 ft.)	f/3.5—f/22	61.0 × 61.0mm	285g
Planar T* f/2 135mm MM ★	5—5	18° 30'	1.5 m (5 ft.)	f/2 —f/22	75.0 × 101.0mm	830g
Sonnar T* f/2.8 135mm MM ★	5—4	18° 30'	1.6 m (5.5 ft.)	f/2.8—f/22	68.5 × 93.0mm	585g
Sonnar T* f/2.8 180mm MM ★	6—5 (F)	14°	1.4 m (5 ft.)	f/2.8—f/22	78.0 × 131.0mm	815g
Tele-Tessar T* f/4 200mm MM ★	6—5	12° 40'	1.5 m (5 ft.)	f/4 —f/32	66.5 × 122.0mm	550g
Tele-Tessar T* f/4 300mm MM ★	5—5	8° 15'	3.5 m (11.5 ft.)	f/4 —f/32	88.0 × 205.0mm	1,200g
Tele-Apottessar T* f/2.8 300mm	8—7	8° 10'	3.5 m (11.5 ft.)	f/2.8—f/22	120.0 × 244.0mm	2,600g
Mirotar f/4.5 500mm	5—5	5°	3.5 m (11.5 ft.)	—	151.0 × 225.0mm	4,500g
Mirotar f/5.6 1000mm	5—5	2° 30' (4° 30')	12.0 m (39.5 ft.)	—	250.0 × 470.0mm	16,500g
Vario-Sonnar T* f/3.3—4 28—85mm MM	16—13	75°—29°	0.6 m (2.1 ft.)	f/3.3—f/22	85.0 × 99.5mm	735g
Vario-Sonnar T* f/3.4 35—70mm MM	10—10	64°—34°	0.7 m (2.5 ft.)	f/3.4—f/22	70.0 × 80.5mm	475g
Vario-Sonnar T* f/4 80—200mm MM	13—10	33° 30'—12° 10'	1.0 m (3.5 ft.)	f/4 —f/22	67.0 × 160.5mm	680g
S-Planar T* f/2.8 60mm <Macro>	6—4	39°	0.24 m (M1:1)	f/2.8—f/22	75.5 × 74.0mm	570g
Macro Planar T* f/2.8 100mm <Macro>	7—7 (F)	24°	0.41m (M1:1)	f/2.8—f/22	76.0 × 86.5mm	740g
N-Mirotar 210mm	4—4	8°	20.0m (70 ft.)	—	90.0 × 365.0mm	2,170g
Mutar T* I (2X)	6—5	—	—	—	64.5 × 37.5mm	240g
Mutar T* II (2X)	7—4	—	—	—	64.5 × 51.0mm	300g

Note: (MM) for Multi-Mode exposure. ★ = Also available in AE type (F) = Floating element used. (A) = Aspherical lens element (M) = Manual aperture setting.

CONTAX 167 MT Specifications

Type: 35mm focal-plane shutter, auto/manual exposure SLR.
Picture Size: 24 × 36mm.
Lens Mount: Contax/Yashica mount.
Shutter: Electronic quartz-controlled, vertical-travel, metal focal-plane shutter.
Shutter Speeds: 16 sec. to 1/4000 sec. in all modes. "Bulb" also available in Manual mode.
Self-timer: Quartz-controlled electronic self-timer with 10-sec. delay; LED indicator (blinks fast for 2 seconds after the self-timer starts and again for 2 seconds before the shutter is released); exposure counter indicates remaining time.
Shutter Release: Electromagnetic release with cable switch socket.
Exposure Control: Exposure modes are set by pressing the Mode button and using the Operation Control.
Exposure Modes: (1) Standard Program auto exposure, (2) High-speed Program auto exposure, (3) Low-speed Program auto exposure, (4) Shutter-priority auto exposure, (5) Aperture-priority auto exposure, (6) Manual exposure, (7) Programmed TTL auto exposure, (8) Aperture-priority TTL auto flash, (9) Manual mode auto flash, (10) Manual flash exposure.
Metering System: TTL full-aperture, center-weighted metering/TTL full-aperture spot metering (spot metering LED turns on in viewfinder), TTL center-weighted direct metering with TLA System flash units, SPD (Silicon Photo Diode) cells.
Metering Range: EV0 to EV20 for full-aperture center-weighted metering. (ISO 100, f/1.4 lens).
Film Speed Range: ISO 25 ~ 5000 in DX auto mode. ISO 6 ~ 6400 in manual mode.
Film speed is displayed on the external display panel when the ISO button is pressed.
Flash Synchronization: X-sync only. Shutter speed is automatically set to 1/125 sec. in TTL auto flash mode with dedicated flash. Synchronizes at 1/125 sec. or slower in manual flash mode. Sync terminal provided.
AE Lock: Exposure values are stored in memory.
Exposure Compensation: ±2 EV (1/3 EV click stops). Automatic Bracketing Control. (±0.5EV or ±1.0EV in the AV mode, ±1.0EV or ±1.5EV in the Program and TV modes.)
Viewfinder: Pentaprism eye-level finder with long eyepoint. 95% field-of-view, 0.82X magnification with 50mm lens focused at infinity.
Focusing Screen: Standard horizontal split-image/microprism collar. Interchangeable screens are available.
Viewfinder Display: Display appears for 16 sec. after the shutter release is partially depressed. Also when the ISO or Mode buttons are pressed. The LCDs indicate exposure compensation, shutter speed, aperture, exposure counter (also used for Automatic Bracketing Control). LCDs are used for the spot metering and program mode. An LED is used for the flash-ready symbol.
External Display Panel: Displays appear for 16 sec. after the shutter release is partially depressed. Also when the ISO and Mode buttons are pressed. LCDs indicate exposure mode, shutter speed, aperture, film speed, number of exposures (also used as a timer for the self-timer and "Bulb" exposures), film rewind symbol and battery checker.
Film Advance: Automatic micro-motor film loading (to frame "01") and film advance.

Film Rewind: Automatic rewinding with Rewind Motor. Approx. 10 sec. for 36 exposure film* (*Based on testing undertaken at Kyocera Corporation.) The motor stops automatically when the film is rewound. Film can be rewound in mid-roll.

Exposure Counter: Automatic resetting, accumulative type counters which count up to 39 frames appear in both the external display panel and viewfinder display. The shutter operates at 1/125 sec. until the film is advanced to frame "01."

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

Shooting Speed: Single-frame, continuous and self-timer operation available. Continuous operation at up to 3 frames per second.

Camera Back: The detachable back is opened with the camera back release lever. Includes a film check window and film transport signal.

Power Source: Four 1.5V AAA-size batteries.

Battery Check: Press the ISO and Mode buttons at the same time.

Battery Capacity: AAA alkaline batteries- approx. 50 rolls. (24-exposure 35mm films* at normal temperatures.) *Based on testing undertaken at Kyocera Corporation.

Others: Aperture stop-down button, contacts for data back.

Dimensions: 149(W) × 91.5(H) × 51.5(D) mm. (5-7/8 × 3-5/8 × 2-1/16 in.)

Weight: 620 grams, without batteries. (1.37 lbs.)

Optional Accessories: ●Battery Holder P-5 (Contains four AA batteries and attaches to camera bottom.) ●Power Pack P-6 (Used with Battery Holder P-5) ●F3 Eye cup ●Standard Case C-31, Front Covers C312, C313 ●Camera + Data Back Case C-32, Front Covers C312, C313.

CONTAX DATA BACK D-7 Specifications

Type: LCD (Liquid Crystal Display) projection data back with built-in Quartz Timing device. **Multi-Function Type.**

Data Characters: 7-segment and dot-type liquid crystal alpha-numerics and symbols. Up to 10 digits.

Data Location: Lower right corner of frame.

Recording Modes: (1) Year/month/day+message; (2) Hour/minute+message; (3) Message; (4) Year/month/day+hour/minute; (5) Off.[Both 12-hr. ("A") and 24-hr. ("P") clock functions included.]

Memory Function: Five messages of up to 10 characters each can be stored in memory.

Intervalometer Function: Starting times in months, days, hours and minutes. Intervals of 1 sec.—Approx. 100 hours. From 1 to 99 exposures.

Long-time Exposure Function: Settings from 1 sec. to approx. 100 hours.

Mode Selection: Push button operation.

Recording Method: Automatic (confirmation indicator included).

Film Speed Setting: Automatic (DX).

Camera Connection: Cordless.

Continuous Operation: Connected to the built-in motor-drive of the camera.

Quartz Clock: Digital Quartz, automatically compensates for long months, leap years. Displays year, month, day, hour, minute.

Power Supply: 6V (two 3V CR2025 lithium batteries).

Dimensions: 142.5(W) × 55(H) × 20.5(D)mm. (5-5/8 × 2-3/16 × 13/16 in.)

Weight: 93 grams, without batteries. (3.3 ozs.)

*Specifications and exterior design subject to change without notice.



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LAB 10

LAB 25

LAB 50

LAB 75

LAB 90