

CONTAX

139 QUARTZ



QUARTZ CONTROL....
Another World's First by Contax!

CONTAX
139QUARTZ



QUARTZ



The Quartz Age Comes to Photography

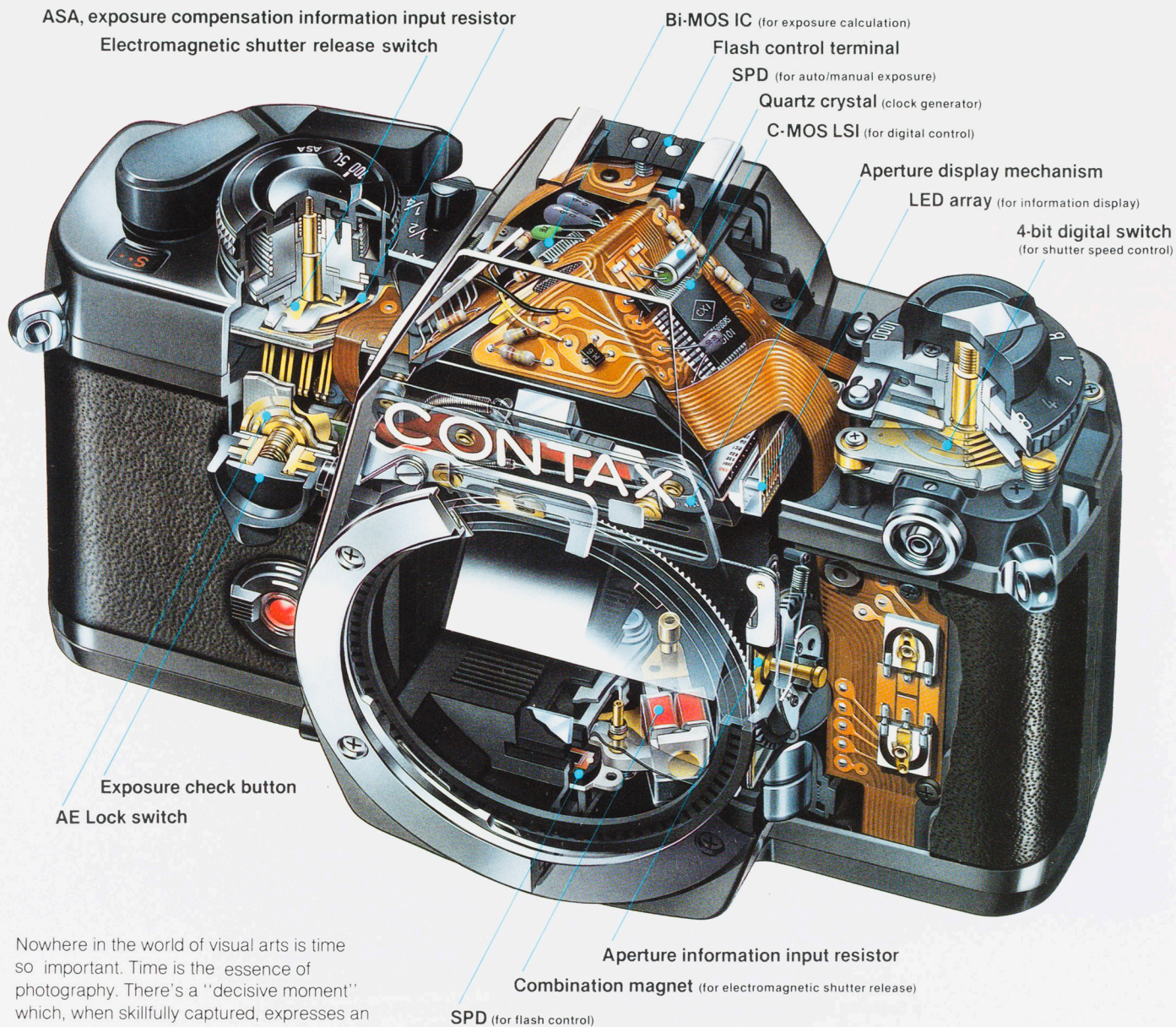
Quartz, after revolutionizing modern timekeeping, now comes to photography—a field with an intimate relationship to time. The fantastically accurate pulses generated by this tiny crystal control all time-related functions of the Contax 139 Quartz, the world's first camera to apply the renowned accuracy of quartz.

The result is that shutter speeds and all camera operating sequences are virtually error-free. Moreover, this precision quartz-control system is housed in a ultra-compact, lightweight body that maintains the same elegant styling and smooth handling of the Porsche-designed Contax RTS. Other outstanding camera features include "two mode" normal auto exposure and TTL auto flash control systems, enabling "Total Exposure Control" from inside the camera. Lenses include photography's finest and fastest—Carl Zeiss T (T Star) Interchangeable Lenses with coverage all the way from 15 mm f/3.5 ultra wide angle to 1000 mm f/5.6 telephoto.*

In the accessory department, versatility is also unmatched with the wide range of "electro-pulse firing" Real Time Accessories on hand to offer new levels of convenience in close-up and remote control photography.

Appearing as the latest addition to the Contax System, the Contax 139 Quartz welcomes you to the truly unique world of Contax Photography!

A "Decisive Moment" Every Time with Quartz Control!

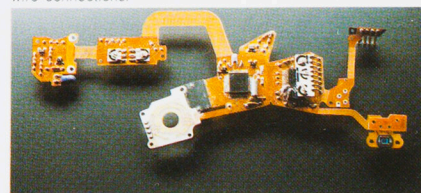


Nowhere in the world of visual arts is time so important. Time is the essence of photography. There's a "decisive moment" which, when skillfully captured, expresses an eternal truth on film. And, there's also the timing of the actual operations necessary to capture a subject perfectly on the light-sensitive surface of the film. In order to fully realize the photographer's concept and to produce a perfectly exposed image, the camera functions must be extremely accurate and uniformly consistent. The Contax 139 Quartz has taken a giant step forward in this area. As the name implies, extremely uniform high-frequency pulses from a tiny quartz crystal form the heartbeat of the entire camera system and serve as the basis for controlling all time-related functions.

The Secret of the Superb Accuracy

The quartz crystal generates pulses at the rate of 32 768 Hz per second. If the camera is set to a shutter speed of $\frac{1}{8}$ sec., for example, the shutter would remain open for exactly 4096 of these pulses. And since the pulses are extremely accurate and uniform, so are the shutter speeds of the Contax 139 Quartz.

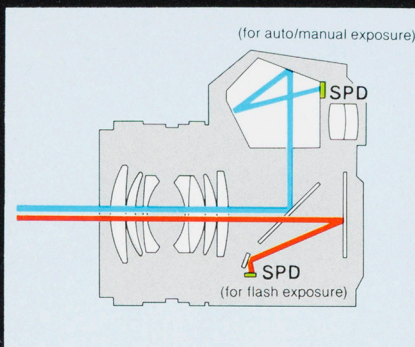
The flexible circuit board conforms with the compact body design; provides high performance and increased durability. In addition to housing the Quartz control unit, C-MOS-LSI and Bi-MOS-IC electronic components—an actual mini-computer system—it also regulates the viewfinder display and all camera operating sequences. Most all of circuitry has been enclosed on both sides of the pattern with a minimum of open wire connections.



Mini-Computer Co-ordination of All Camera Functions

If we consider the quartz crystal the heart of the Contax 139 Quartz, then its brain would be the CPU (Central Processing Unit), based on a highly reliable digital C-MOS LSI chip. The sense organs would be the Bi-MOS Analog IC which receives all exposure-related signals, processes them and converts them to digital format for utilization by the CPU. The CPU, a real mini-computer, then co-ordinates and controls all camera functions on the basis of these signals.

For example, when the electromagnetic shutter release is operated, the CPU first issues a signal that causes the mirror to flip up, triggers the release of the front and rear shutter curtains in accordance with the exposure data, and then issues another signal to activate the 139 Auto Winder to automatically advance the film and cock the shutter for the next shot. When the TLA-20 Auto Flash Unit is used, the CPU also sets the shutter to the flash synchronization speed of 1/100 sec. and adjusts flash output according to the data received from the metering system. When the Exposure Check Button is pressed, the CPU activates the LEDs to display exposure values for precisely 10 seconds.



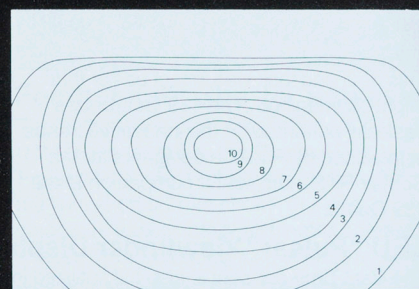
Two-mode Exposure Metering "Total Exposure Control" Built-in

The Contax 139 Quartz uses a unique two-mode exposure metering system with two SPD (Silicon Photo Diode) cells. One of these cells, located in the top of the pentaprism, measures light coming through the lens for normal exposure. The second cell measures light reflected from the film surface for accurate flash exposure with the TLA-20 Auto Flash Unit. Optimum exposure values are obtained regardless of the mode used. In addition digital control also enables employment of the AE Lock (exposure memory device) to fix the exposure at a given reading for special exposure techniques.

Electromagnetic Shutter Release

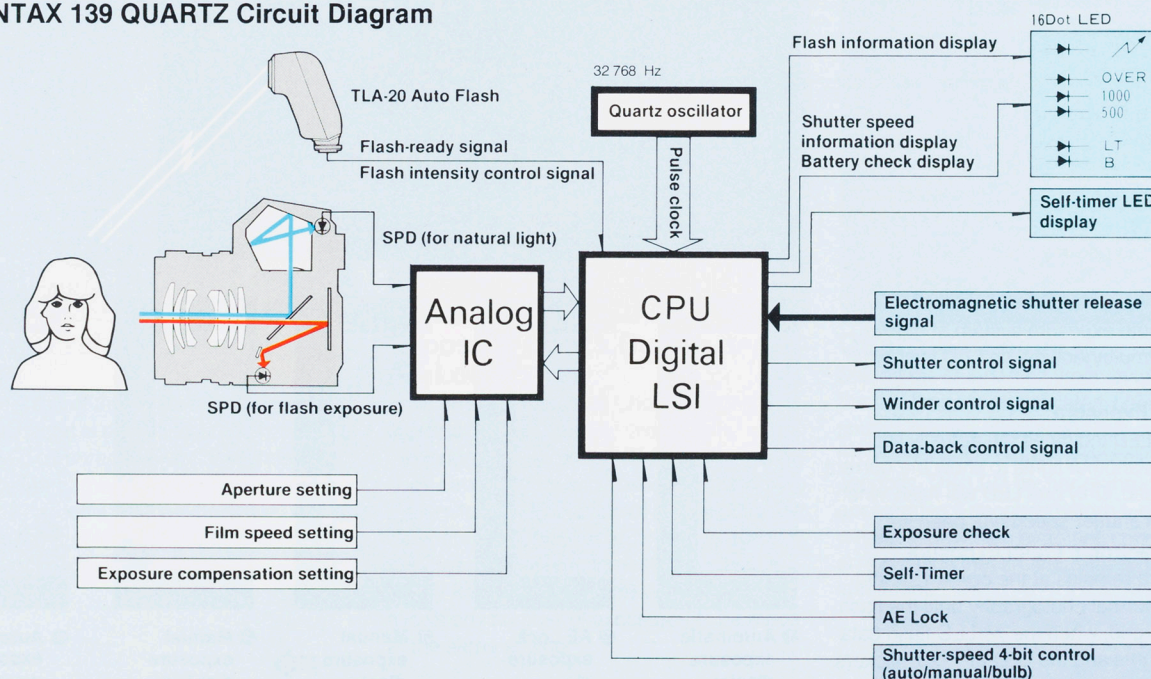
The same electromagnetic shutter release pioneered by the Contax RTS is also used in the 139 Quartz. Feather-light, short-stroke operation makes release easier and surer, while helping to prevent camera shake.

Located in the centre of the ASA film speed dial, this release button forms an integral unit with the mirror quick-return mechanism for better linkage.



Centre-weighted metering pattern of the standard auto/manual exposure system minimizes the adverse affects of peripheral lighting (with Planinar f/1.7 50 mm).

CONTAX 139 QUARTZ Circuit Diagram



A Body You Can't Wait to Get Your Hands On!

Every conceivable factor was taken into consideration at the design stage of the Contax 139 Quartz body.

The camera had to be outstandingly good-looking and with naturally easy operation. At the same time it had to be completely functional. In other words every aspect of the product had to be beautiful to look at, exciting to handle and yet with controls so perfectly positioned that the fingers of each hand fell naturally into place on all operational controls. To complete this total design superiority the photographers brain was taken into consideration by the provision of a viewfinder which was both easy to use and yet totally informative.

This daunting task was in fact easier than might be imagined. The 139 Quartz was basically patterned on the innovative trends established by Porsche designers for the Contax RTS – the senior companion to the 139 Quartz

LED "Pulsar" Viewfinder Display

The Real Time concept is also fully utilized in the viewfinder display system of the 139 Quartz. Having the necessary exposure data instantly available is the key to successful photography, especially with moving subjects. The LED pulsar display shows both manual and auto shutter speeds, over-and-under exposure warnings, flash-ready and correct flash exposure in a way that lets the photographer know exactly the status quo. And all without ever taking his eye away from the viewfinder.

A precision split-image/microprism focusing screen affords maximum focusing versatility.

1 Automatic Exposure

An LED lights to indicate the shutter speed selected by the CPU in accordance with the manually set aperture. OVER lights for overexposure, and B for underexposure.


2 AE Lock Exposure

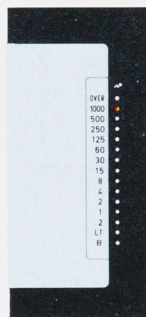
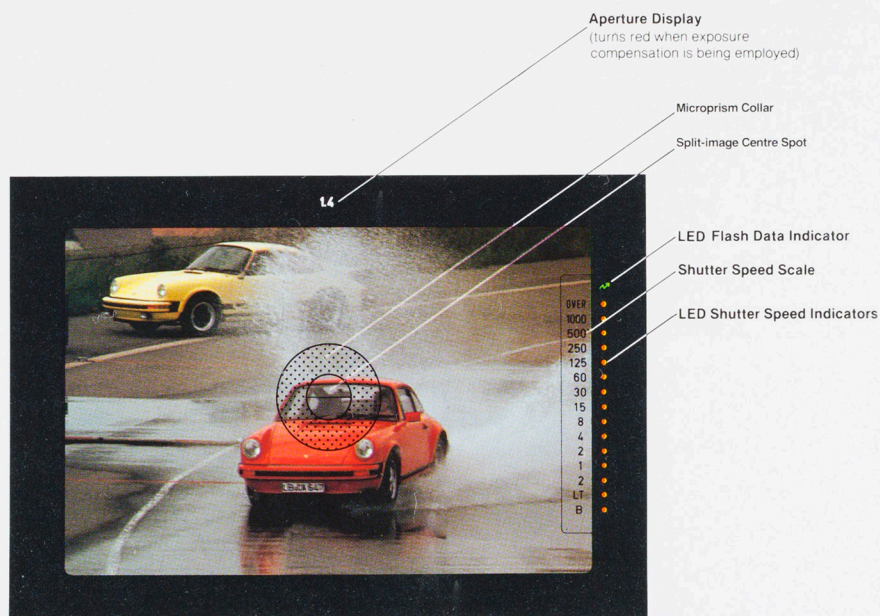
When the AE Lock lever is engaged, the camera's exposure memory system locks the auto exposure system at a given reading. Simultaneously, an LED flashes a warning.

3 Manual Exposure

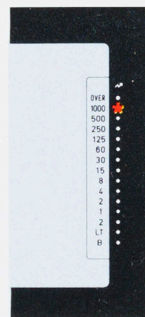
A flashing LED indicates the actually set value while another lights to show the correct shutter speed. Only one LED will flash when the correct shutter speed has been set.

4 Auto Electronic Flash Exposure

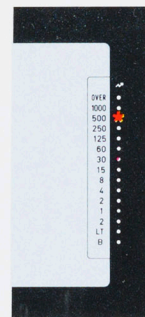
The camera remains at the correct shutter speed for normal photography until the flash is fully charged, when the  LED flash data indicator lights and the LED at "125" flickers, signaling flash synch. After firing, the flash indicator signals if exposure is correct.



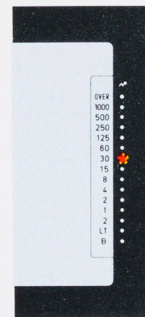
1 Automatic exposure display



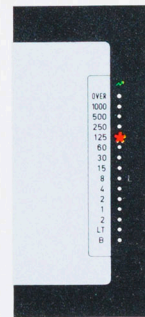
2 AE Lock exposure display



3 Manual exposure display
(showing actual and correct shutter speeds)



3 Manual exposure display
(adjusted for correct shutter speeds)



4 Auto flash exposure display



Shutter Control Dial

The Shutter Control Dial has click-stops for manual shutter speeds from 1 sec. to 1/1000 sec. The dial locks at the "X" position for 1/100 sec. flash synchronization. It also locks at the "AUTO" position, where shutter speeds are stepless from 11 secs. to 1/1000 sec. A "B" setting is also featured for time exposures.



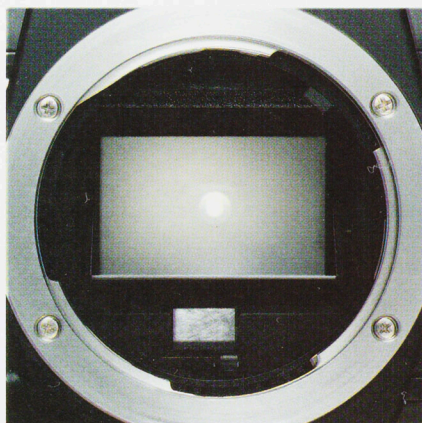
Exposure Compensation Dial

Exposure can be increased or decreased up to two full f-stops using the Exposure Compensation Dial, allowing compensation for backlighting and other difficult lighting. The dial locks at the "X1" position to prevent accidental movement. The exposure compensation lock button also doubles as a multi-exposure button, disengaging the film and exposure counter, thereby keeping an accurate exposure count.



Feather-light Shutter Release

This is the same electromagnetic shutter release pioneered by the Contax RTS. Praised by photographers everywhere for the light short 0.7 mm stroke, this silky-smooth release virtually eliminates camera shake. The electromagnetic release system also permits linkage with "electro-pulse firing" remote control accessories via the auxiliary release socket on the camera body. A second release button is provided on the 139 Winder to simplify vertical shooting.



Contax/Yashica Bayonet Mount

The operation of this rugged, three-claw bayonet mount is extremely smooth. Automatic diaphragm lenses integrate as one with the camera system and remain perfectly aligned after long, hard use. Interchanging of lenses is quick and efficient under any condition.



Exposure Check Button and AE Lock Lever

Each time the Exposure Check Button is pressed, the LED display inside the viewfinder comes on for 10 seconds. The AE Lock Lever engages the exposure memory system for compensation of backlighting and other applications. The AE lock lever also features a continuous lock setting which is handy for use with the 139 Winder, as it allows any number of exposures to be made at the same setting.



Quartz Self-timer

Setting the Quartz Self-timer lever causes the self-timer to be activated when the shutter release is pressed. This system provides a delay time of precisely 10 seconds. The LED flasher of the self-timer accelerates 2 seconds before the shutter releases, providing everyone concerned with an indication that shutter release is imminent.

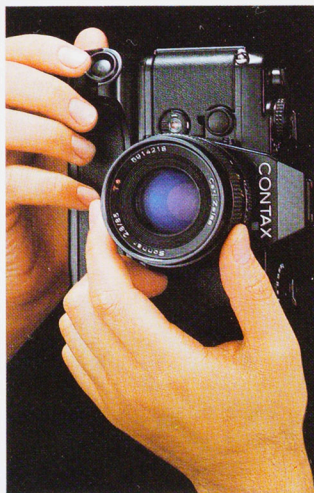


Put More Action in Your Life with The CONTAX 139 Auto Winder

Automatic Exposure using Contax 139 Quartz
+ 139 Winder, Tele-Tessar T* 300mm Lens.

Specially Contoured for Vertical Holding

A marvel of real time engineering, the 139 Winder puts more action in your life, and more life in your photographs. With a firing rate of 2 frames per second, you can stay ahead of fast-moving scenes with ease. Or just enjoy the pleasure of not having to wind the film. The 139 Winder Unit clips onto the base of the camera with a few turns of the screw. And, since the only controls are the ON/OFF switch and rewind button, operation is easy. There's also a second shutter release button on the 139 Winder, in the Contax RTS tradition, for extra convenience in making vertical format shots.

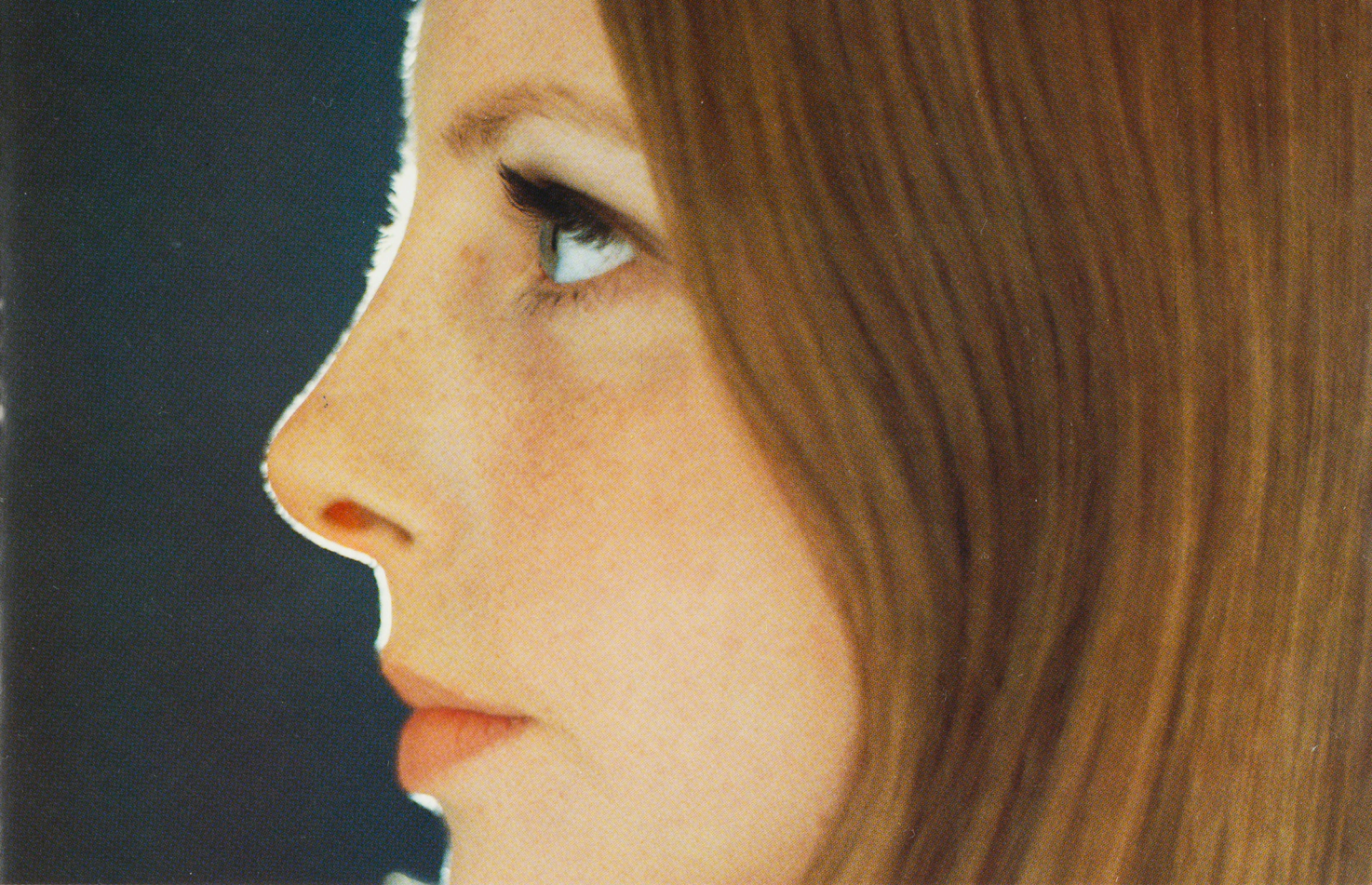


The special electromagnetic release on the 139 Winder adds extra convenience to vertical format shots.

Specifications

- **Winding speeds:** single-frame and continuous (2fps).
- **Shutter coupling range:** all shutter speeds in auto or manual.
- **Operation:** camera shutter release or special release button on the winder.
- **LED display:** flashes at end of film.
- **Dimensions:** 137.5 (W) x 35 (H) x 49 (D) mm. (5 7/16 x 1 3/8 x 1 9/16 in.)
- **Weight:** 225 grams, without batteries (7.9 ozs).
- **Power source:** Four 1.5 V AA size batteries (winding capacity of 50 36-exposure rolls with high-powered batteries).





New Flash Flexibility with The TLA-20 Auto Flash

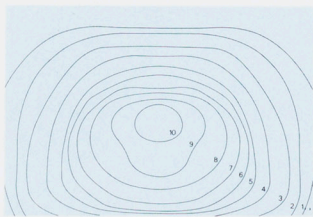
Automatic Exposure using Contax 139 Quartz
+ 139 Winder + TLA 20 Auto Electronic Flash.
Distagon T* f/1.4 35 mm Lens.

Unprecedented Accuracy, Off-Camera Versatility with TTL Direct Flash Control

Especially designed for use with the 139 Quartz, the TLA-20 Auto Flash Unit opens up a new dimension in flash photography by coupling directly with the TTL Direct Flash Control system built into the camera.

Auto Flash exposures are measured directly at the film plane by an independent SPD flash sensor housed in the mirror box module. This system results in unprecedented flash exposure accuracy and also permits flash synchronization at all apertures with any lens from 35 mm to telephoto (coverage extends down to a 24 mm wide angle lens with the accessory Wide Panel). The TLA-20 also

couples with the special flash data indicator in the viewfinder which signals flash readiness and gives an after-flash when exposures are correct. In addition, when the flash extension cord is used, perfect bounce flash and other off-camera flash techniques are extremely easy.



The metering pattern of the 139 Quartz SPD flash sensor is heavily centre weighted to prevent excessive influence from sky and peripheral lighting.

Flash Extension

The TLA-20 Auto Flash can be used off-camera, using the TLA Extension Cord 100. This makes bounce flash, side lighting and other applications easy and without worry about exposure.



Specifications

- **Control system:** automatic flash adjustment, series control.
- **Guide number:** Auto: 4-20; manual: hi: 20; lo: 2.8 in metres.
- **Recycle time:** 3 - 6 secs., (Fast recycle at lo for synch with winder).
- **Power source:** Four 1.5 V AA size batteries.
- **Angle of coverage:** 60° horizontal, 45° vertical (covers field of view of 35mm lens). With wide-panel: 76° horizontal, 58° vertical (covers field of view of 24mm lens).
- **Dimensions:** 66 (W) x 100 (H) x 71 (D) mm. (2 5/8 x 3 1/4 x 2 1/4 in.)
- **Weight:** 180 grams, w/o batteries. (6.4 ozs)



Add variety to flash capability using the TLA-20 Auto Flash off-camera with the TLA Extension Cord 100.



Infrared Controller Set S Opens Up Remote Possibilities

Automatic Exposure using Contax 139 Quartz + 139 Winder + Infrared Control Set S.
Tele-Tessar T* f/4 300 mm Lens.

The infrared controller concept is a world's first, developed as a special remote control system for Contax cameras. Infrared Controller Set S is the latest improved type controller unit with the capacity to operate up to two cameras either simultaneously or alternately up to 20 meters (approx. 65 ft.). It connects to the camera electronically via the auxiliary *release socket* on the camera body, opening up a whole new world of photographic possibilities. Difficult-to-approach living creatures can be lured in front of the camera while operating it from a distance. Another possibility is candid shots of people—they'll never know their pictures were taken! Adding the 139 Winder to the camera enables sequence shots triggered from afar. Or the

TLA-20 Auto Flash can be used to capture subjects unaware, because the Infrared Controller Set S works just as well in pitch dark.



A touch of the infrared transmitter release triggers the camera shutter instantly as far as 20 meters (65 ft.) away.



Two channels enable simultaneous or alternate triggering of two cameras.

Specifications

● **Effective range:** approx. 20 meters (about 65 ft.).
● **Directivity:** 45° for the transmitter; 60° for the receiver.

● Operational capacity:

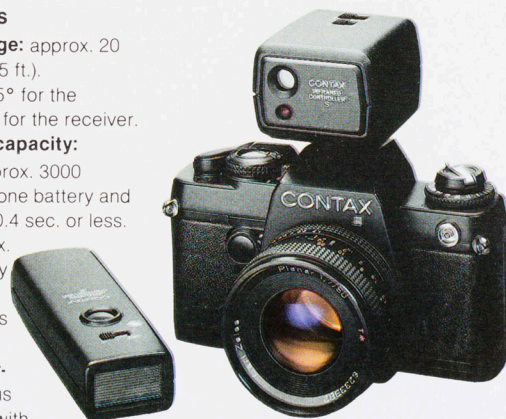
Transmitter: approx. 3000 operations with one battery and recycle time of 0.4 sec. or less. Receiver: approx. 30 hours standby or approx. 10 hours continuous operation.

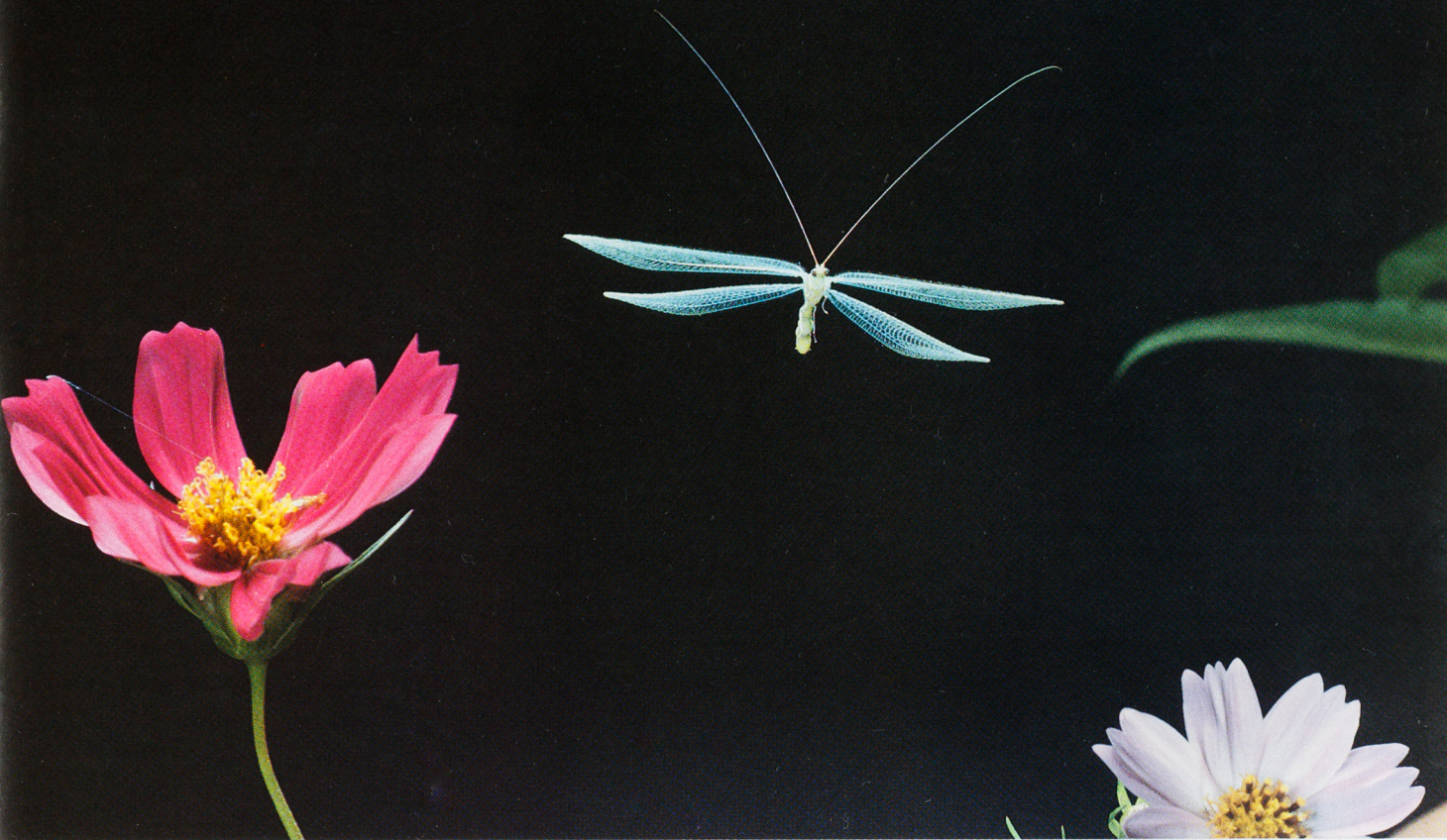
● Mode of operation:

continuous or single frame with selector switch.

● **Dimensions:** Transmitter: 23.5 (W) x 35 (H) x 120 (L) mm. (1 1/8 x 1 3/8 x 4 3/4 in.)
Receiver: 38.5 (W) x 51 (H) x 61.5 (D) mm. (1 1/2 x 2 x 2 3/8 in.)

● **Power source:** Transmitter: one 1.5 V AA size battery, Receiver: one 9 V drycell (006P).





Macrophotography-As Only a Contax Can Capture It

Automatic Exposure using Contax 139 Quartz
+ 139 Winder + Auto Bellows PC Set.
S-Planar T* f/4 100 mm Lens.

It is in the world of macrophotography—the virtually unexplored mini-world of fantastic shapes and fabulous colours—that the 139 Quartz photographer can really appreciate the Contax concept of Real Time Photography. Here, Contax electronically-operated accessories permit new levels of convenience not yet available with other SLR systems. Take the *Auto Bellows PC*, for example. This amazing bellows unit enables perspective correction via a special swing action of the lens board; it also features electronic diaphragm control for bright full-aperture focusing and precise exposure. Results are further enhanced

if macrophoto accessories are used in concert with the *TLA-20 Auto Flash*, which features a low guide number for close-up work, and TTL flash control for perfect flash and fill-in lighting. Moreover, one can go even a step further and use electronic remote control accessories such as *Cable Switch S* (which replaces the mechanical cable release) or *Infrared Controller Set S*, handy for photographing small animals without frightening them away.



S-Planar T* f/2.8 60 mm Macro Lens
S-Planar T* f/4 100 mm Bellows Lens

Special Purpose Lenses and Adaptors

In the macrophoto lens department, two unmatched optics are available:
S-Planar T f/2.8 60 mm*, a remarkably fast macro lens with double helicoid action for focusing from infinity to lifesize without extension tubes, and the *S-Planar T* f/4 100 mm Bellows Lens* which, in addition to being optimized for bellows work, is capable of focusing to infinity. Other macrophoto accessories include *Auto Extension Tubes* for close-ups, *Microscope Adapter*, *Copy Stand*, *Slide Copier*, *Right-Angle Finders*, *Eyesight Correction Lenses* and special filters to name but a few.



Slide Copier, *Right-Angle Finders*, *Eyesight Correction Lenses* and special filters to name but a few.

The Superbly Easy Handling CONTAX 139 QUARTZ and System Accessories

1 Exposure Counter

2 Film Advance Lever

Design optimized for rapid wind. When operated in conjunction with the AE Lock lever, this also serves to engage the exposure memory system for continuous lock.

3 Electromagnetic Shutter Release

The key merit of the entire system. The electromagnetic release button activates the shutter and exposure sequences. A vertical travelling all-metal focal plane shutter offers optimum durability in temperature extremes and enables fast 1/100 sec. Flash synch.

4 Exposure Check Button

5 AE Lock Lever

6 Self-Timer LED Flasher

7 Depth-of-Field Preview Button

8 Lens Release Button

9 Accessory Shoe

10 Lens

11 Direct X-Contact

12 Shutter Control Dial

13 X-Sync Terminal

14 Film Rewind Crank

15 Exposure Compensation Lock Release, Multiple Exposure Button

Releases the exposure compensation dial from the X1 lock position. Also serves as a multiple exposure button if pushed forward before winding the film (disengages the film advance system and the exposure counter to keep accurate exposure count).

16 Film Speed Ring

17 Memo Holder

18 Release Socket

This is actually the core of the Contax Real Time Accessory System, serving as the connector terminal for the auxiliary shutter release of the many Contax "electro-pulse firing" remote control accessories.

19 Shutter Dial Lock Release Button

Keeps the shutter control dial locked at AUTO, preventing accidental relocation. When switching to manual photography, simply press the button and turn the shutter dial.

20 Battery Compartment Cover

21 Tripod Socket

22 Viewfinder Eyepiece

23 Film Rewind Release Button

24 Data Back LED

This special LED relay sends the signal to the 139 Data Back for cordless operation of the data back.

25 Winder Coupling

26 Winder Coupling Terminals

27 Take-up Spool

28 Camera Back Release Lug

29 Pressure Plate





Lest We Forget: 139 Data Back

A Data Back is also available for the Contax 139 Quartz. By merely setting the three data dials, photos can be directly marked with day, month, year or exposure data. An LED inside the camera body enables cordless operation of the data back. A convenient way to obtain dated records for any purpose, lest we forget.

● **Dimensions:** 135 (W) x 53 (H) x 25 (D) mm. (5 1/4 x 2 1/8 x 1 in.)

● **Power source:** Two 1.5 V silver oxide batteries (Eveready S76, Mallory MS76 or equivalent).

139 Winder

- 30 Electromagnetic Shutter Release
- 31 Film Drive Claw
- 32 Camera Coupling Terminal
- 33 Winder Test Button
- 34 Battery Cartridge Lock
- 35 LED Film Advance/Film End Indicator
- 36 Winder ON/OFF Switch
- 37 Film Rewind Release Button
- 38 Guide Pin

TLA 20 Auto Flash

- 39 Auto Flash Reflector
- 40 Test Button/Flash ready lamp
- 41 Selector Switch
- 42 Direct X-Contact
- 43 Auto Flash Contact

Improve Your Photographic Vision with Carl Zeiss T* (T Star) Lenses!



All Carl Zeiss T* (T Star) lenses were designed as components of a total system, not just one by one as the need arose. This series was carefully planned to include appropriate focal lengths that cover the full range of photo needs.

Another important feature is the uniformity of exterior design. Functional controls are the same for each lens, so operation is the same. This avoids groping to make adjustments that differ with each lens as in other systems.

Many of the Carl Zeiss T* lenses are the fastest in their class. With an extra margin that enables the photographer to use faster shutter speeds under dim light conditions.

Superior Optical Design

The world's finest optical design skills provide impeccable performance even at maximum apertures. Resolution, contrast, freedom from distortion, color correction, light transmission and uniformity are all outstanding. And each lens is individually inspected using a precision MTF (Modulation Transfer Function) inspection machine.

What Zeiss T* (T Star)

Coating Means to You

All of these lenses receive the special Carl Zeiss T* (T Star) multi-layer anti-reflection coating. This coating produces ultra-flat transmission of light of all wavelengths within the visible spectrum. Coupled with elimination of internal reflection, this means color reproduction of utmost purity. Different colors remain distinct, never bleeding into each other, always keeping their natural beauty.



The flare effect frequently produced by ordinary lenses.



Carl Zeiss T (T Star) multi-layer, anti-reflection coating eliminates ghost and flare for sharply defined results.*

Interchangeable Carl Zeiss T* (T Star) Lenses

Lens	Composition	Angle of View	Min. Focus (m) (ft.)		Aperture Range	Size (mm)	Weight (gram)	Filter (mm)
F-Distagon T* f/2.8 16 mm	8 - 7	180°	0.3	1	f/2.8 ~ 22	70 × 61.5	460	built-in
Distagon T* f/3.5 15 mm	13 - 12 F	110°	0.16	6 in	f/3.5 ~ 22	83.5 × 94	815	built-in
Distagon T* f/4 18 mm	10 - 9 F	100°	0.3	1	f/4 ~ 22	70 × 51.5	350	86
Distagon T* f/2.8 25 mm	8 - 7	80°	0.25	10 in	f/2.8 ~ 22	62.5 × 56	360	55
Distagon T* f/2 28 mm	9 - 8 F	74°	0.24	10 in	f/2 ~ 22	62.5 × 76	485	55
Distagon T* f/2.8 28 mm	7 - 7	74°	0.25	10 in	f/2.8 ~ 22	62.5 × 50	280	55
Distagon T* f/1.4 35 mm	9 - 8 F A	62°30'	0.3	1	f/1.4 ~ 16	70 × 76	540	67
Distagon T* f/2.8 35 mm	6 - 6	62°	0.4	1.5	f/2.8 ~ 22	62.5 × 46	245	55
Planar T* f/1.4 50 mm	7 - 6	45°	0.45	1.5	f/1.4 ~ 16	62.5 × 41	275	55
Planar T* f/1.7 50 mm	7 - 6	45°	0.6	2	f/1.7 ~ 16	61 × 36.5	190	55
Planar T* f/1.4 85 mm	6 - 5	28°30'	1	3.5	f/1.4 ~ 16	70 × 64	595	67
Sonnar T* f/2.8 85 mm	5 - 4	27°30'	1	3.5	f/2.8 ~ 22	62.5 × 47	255	55
Planar T* f/2 135 mm	5 - 5	18°30'	1.5	5	f/2 ~ 22	75 × 101	830	72
Sonnar T* f/2.8 135 mm	5 - 4	18°30'	1.6	5.5	f/2.8 ~ 22	68.5 × 93	585	55
Sonnar T* f/2.8 180 mm	6 - 5 F	14°	1.4	5	f/2.8 ~ 22	82 × 131	990	72
Tele-Tessar T* f/3.5 200 mm	6 - 5	12°40'	1.8	6	f/3.5 ~ 22	77.5 × 121.5	750	67
Tele-Tessar T* f/4 300 mm	5 - 5	8°15'	3.5	11.5	f/4 ~ 32	94 × 205	1,720	82
Mirotar f/4.5 500 mm	5 - 5	5°	3.5	11.5	f/4.5 only	151 × 225	4,500	slide-type
Mirotar f/5.6 1000 mm	5 - 5	2°30' (4°30')	12	39.4	f/5.6 only	250 × 470	16,500	slide-type
Vario-Sonnar T* f/3.5 40 ~ 80 mm	13 - 9	55° ~ 31°	1.2	4	f/3.5 ~ 22	67 × 87	605	55
S-Planar T* f/2.8 60 mm (Macro)	6 - 4	39°	0.24	9½ in	f/2.8 ~ 22	75.5 × 74	570	67
S-Planar T* f/4 100 mm (Bellows)	6 - 4	24°30' (33°)	—	—	f/4 ~ 32	62.5 × 48.5	285	55

F Floating element A Aspherical

A Carl Zeiss T* (T Star) Lens for Every Application



F-Distagon T* 1/2.8 16mm



Distagon T* 1/3.5 15mm



Distagon T* 1/4 18mm



Distagon T* 1/2.8 25mm



Distagon T* 1/2 28mm



Distagon T* 1/2.8 28mm



Distagon T* 1/1.4 35mm



Distagon T* 1/2.8 35mm



Planar T* 1/1.4 50mm



Planar T* 1/1.7 50mm



S-Planar T* 1/2.8 60mm (Macro)



Planar T* 1/1.4 85mm



Sonnar T* 1/2.8 85mm



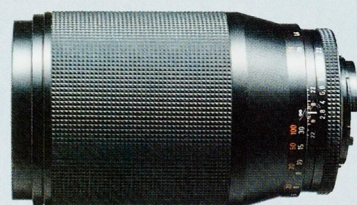
S-Planar T* 1/4 100mm (Bellows)



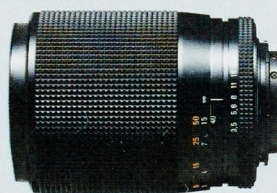
Planar T* 1/2 135mm



Sonnar T* 1/2.8 135mm



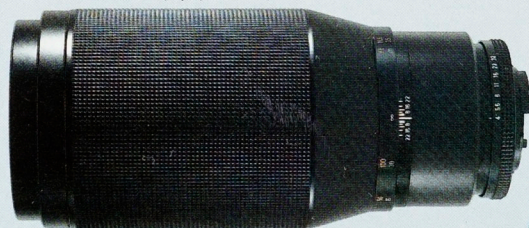
Sonnar T* 1/2.8 180mm (Olympia Sonnar)



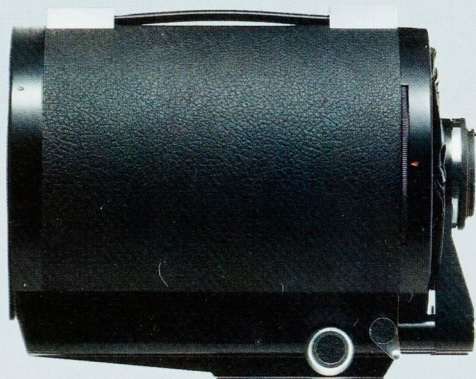
Vario-Sonnar T* 1/3.5 40-80mm (Zoom)



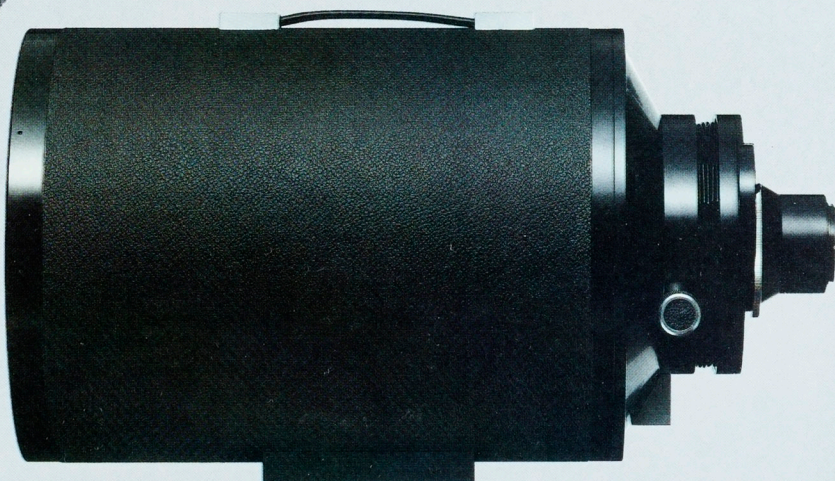
Tele-Tessar T* 1/3.5 200mm



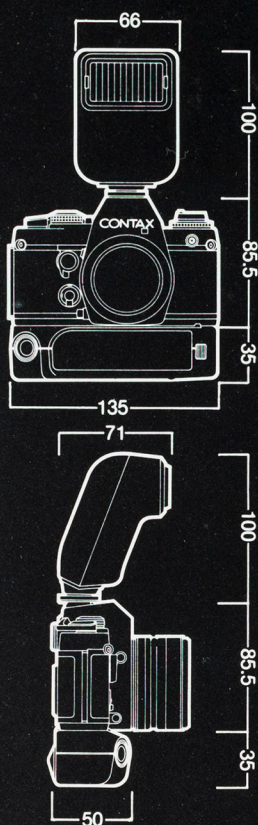
Tele-Tessar T* 1/4 300mm



Miotar 1/4.5 500mm



Miotar 1/5.6 1000mm



CONTAX 139 QUARTZ Specifications

Type	35mm single-lens reflex camera featuring aperture-preferred auto exposure with manual override and direct TTL auto flash control.	
Negative size	24mm x 36mm.	
Lens mount	Large-diameter Contax/Yashica Mount accepting Carl Zeiss T* (T Star) interchangeable lenses.	
Standard lenses	Carl Zeiss Planar T* 50mm f/1.7 Carl Zeiss Planar T* 50mm f/1.4	
Shutter	Quartz-timed, electronically operated, vertical-travel metal focal-plane shutter.	
Shutter speeds	Auto: continuously variable from 1/1 sec. to 1/1000 sec. Manual: clickstop settings from 1 sec. to 1/1000 sec., plus B and X (1/100 sec.). Dial locks on AUTO and X.	
Flash synchronization	1/100sec. direct X-sync via hotshoe for TLA-20 Auto Flash; X-sync terminal on body for cord connection.	
Shutter release	Real Time Electromagnetic Shutter Release featuring quartz-timed operating sequence. Auxiliary remote release via release socket (for electronic switches) on camera body.	
Self-timer	Quartz-timed electronic self-timer with 10-second delay. LED flashes at the rate of two pulses per second until the last two seconds when the rate doubles to four pulses.	
Exposure control (Standard system)	Through-the-lens, full-aperture metering via SPD (Silicon Photo Diode) cell. Center-weighted metering pattern. EV range from EV 0 to EV 18 at ASA100 with f/1.4 lens (DIN 12-36). ASA range from 12—3200.	
Exposure check	Exposure Check Button on front of camera lights LED display in viewfinder. Switches off automatically after 10 seconds.	
Exposure compensation	± 2 EV via Exposure Compensation Dial (locks at X1 setting).	
Exposure memory	AE (Auto Exposure) Lock Lever fixes exposure reading. Continuous lock capability.	
Auto flash control	Via built-in direct TTL auto flash control system which regulates TLA-20 Auto Flash output using SPD sensor. Averaged reading at film plane at all apertures. Automatic 1/100 sec. flash sync with TLA-20 Auto Flash (slower sync possible using AE Lock). Affective ASA range from ASA 25 to ASA 800.	
Viewfinder	Silver-coated, fixed eye-level pentaprism type with horizontal split-image/micropism focusing screen. Shows 95% of picture area with 0.86X magnification (with 50 mm lens). -0.82 diopter.	
Viewfinder display	Auto/Manual LED shutter-speed display, aperture readout window, LED flash data indicator (including after-flash signal to indicate correct flash exposure), LED over-and-under exposure warning, AE Lock warning, LED pulse low-battery warning.	
Film advance	Single-frame advance with rapid advance lever. 135° advance angle, 30° stand-off angle. Single-frame and sequential film advance with optional 139 Winder.	
Film rewind	Via rewind release button and crank.	
Exposure counter	Auto-resetting, accumulative type.	
Multiple exposure	Via Multiple Exposure Button which disengages exposure counter for accurate count.	
Camera back	Interchanges with 139 Data Back. Opens via film rewind crank. Memo holder on back.	
Power source	Two 1.5 V silver-oxide batteries (Eveready S76, Mallory MS-76, Ucar EPX 76 or equivalent).	
Battery check	Via Exposure Check Button (LED pulse varies when batteries are low).	
Other features	Depth-of-field preview button, Data Back LED, Tripod socket, wide range of Contax Real Time Accessories in addition to exclusive winder, auto flash and data back.	
Size	135 x 85.5 x 50 mm (5-5/16 x 3-3/8 x 2 in.).	
Weight	500 grams (17.6 ozs) body only.	

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

YASHICA/CONTAX DIVISION

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