

FUJICA

AX-3



FUJICA
X SLR



An Advanced Aperture-priority AE Camera with an Extra Option of Manual Control

FUJICA AX-3

The Fujica AX-3 brings a new dimension of operating ease and simplicity to automatic exposure photography. The AX-3's basic exposure mode is aperture-priority AE, but it offers in addition stopped-down AE and electronic flash AE — plus fully metered manual operation. Its light-and-compact design is an asset all by itself.

In many ways the Fujica AX-3 is the same camera as the Fujica AX-5, the prestige model in the new Fujica X series of bayonet mount SLRs. Its precise exposure control is accomplished through the same advanced micro-computer technology, and it shares most of the sophisticated design features of the AX-5. Only shutter-speed priority AE and programmed AE functions are absent.

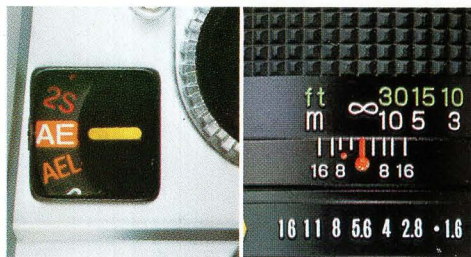
System capabilities are fully intact. The AX-3 promises superb flash photography with accessory Fujica Auto Strobo 300X or Strobo AZ; it has continuous action shot capability with Fujica Auto Winder X; and it accepts the unique data back Fujica Photo Recorder. With its ready access to the comprehensive line of X-Fujinon interchangeable lenses and other system accessories, the camera can handle virtually any need in modern SLR photography.

A straightforward auto SLR with flawless electronic function and easy operation: if you are looking for such a camera, the Fujica AX-3 is the camera for you.



Three AE Modes plus Manual

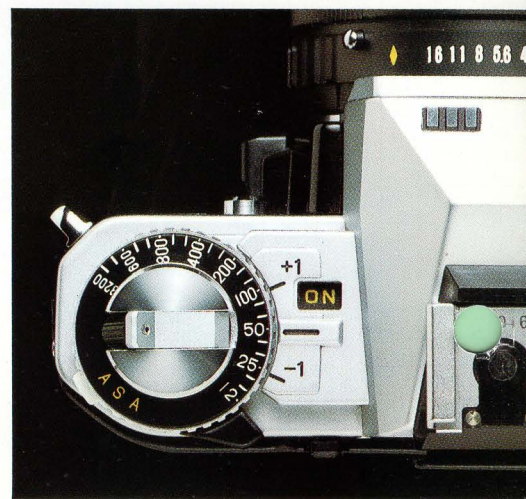
Mode 1: Aperture-priority AE



The AX-3's aperture-priority AE system gives you full control over depth of field: you can capture a full scene in sharp focus by stopping down the lens, or focus out unnecessary background by using a large aperture. Just set the shutter speed dial for "AE" (or "AEL") and select your own aperture; the camera instantly computes the correct shutter speed for perfect exposure, from a slow 2 seconds to a stop-motion 1/1000 sec.

Mode 2: Stopped-down AE

Stopped-down AE is an essential function when you want to work with close-up equipment or external optical systems, such as bellows and microscope. With the shutter speed dial set for "AE" (or "AEL"), the AX-3 gives flawless exposure by measuring light through the stopped-down lens and instantly computing the correct shutter speed. This mode is also useful when the earlier Fujinon screw-mount lenses are used with the AX-3 via mount adapters.





Mode 3: Electronic Flash AE

This mode works with the accessory Fujica Auto Strobe 300X or Auto Strobe AZ. With either unit in the AX-3's hot shoe, you can take beautiful flash pictures with automated ease: the shutter automatically sets to 1/60 sec. sync speed when the flash is fully charged; when the exposure is made, the flash unit automatically controls light output to suit the set aperture and subject distance for perfect exposure.

Mode 4: Fully Metered Manual

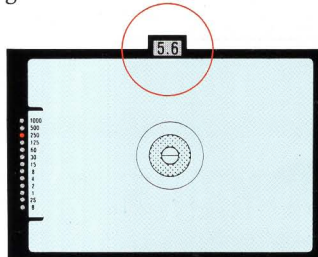
To complement the AE system, the AX-3 also provides fully metered manual operation. It is a useful feature when you want to experiment with creative exposure effects, such as slanting exposure in favor of a single element. Or adding mood through an intentional darkening of the scene. The AX-3's unique match-LED system allows setting precisely controlled exposures.

know what aperture you have set. The row of thirteen LEDs on the left is the shutter speed indicator — but the LEDs do more. If the aperture you have set is too wide, the topmost LED flashes, warning overexposure; similarly, underexposure is warned by the flashing LED at "2S" position. When the lowermost LED blinks, it means there is not enough battery power. In the manual mode, two LEDs may light, one a steady glow and the other a flashing signal. The steady LED is the speed you have set, and the flashing LED the shutter setting to be used for correct exposure. The letter "M" appearing above the LED column serves as the reminder of manual operation. The LED display lights when you lightly press the shutter release button.

Focusing is fast and accurate with the AX-3's bright viewfinder. You have a three-way choice of split-image, microprism, and matte field to handle any subject with ease.

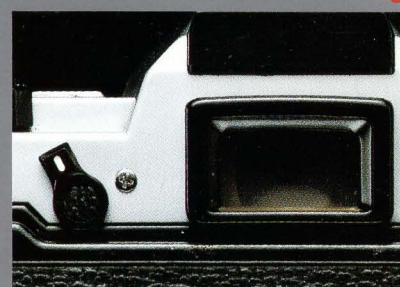
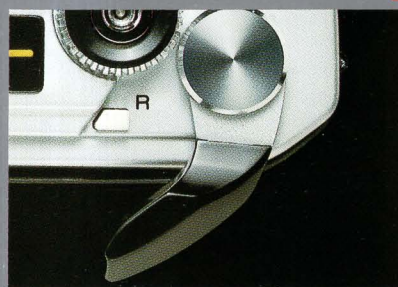
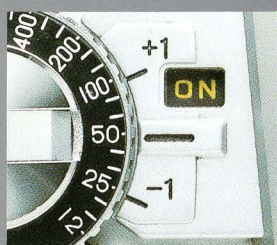
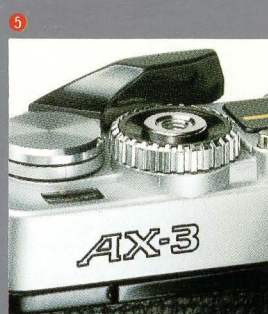
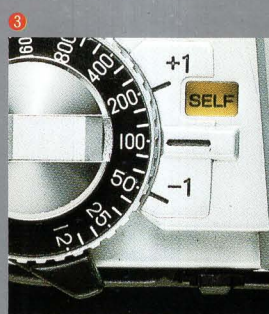
Full Information Viewfinder

The clean, uncluttered viewfinder of the AX-3 gives you total control over shooting conditions.



The aperture readout window above the viewing screen directly reads aperture figures cut in the lens barrel. You always





A COMPACT BODY PACKED WITH ULTRA-MODERN FUNCTIONS

Fujica-X Bayonet Mount ①

The new Fujica-X bayonet mount allows speedy lens change, with just a 65-degree turn and a solid click of the locking pin. A complete new series of "X-Fujinon" lenses have been designed to fit the bayonet mount body.

The earlier Fujinon lenses with screw thread also fit on the bayonet mount AX-3 via Mount Adaptor X-S. These lenses operate in the stopped-down AE mode — as well as electronic flash AE with the Auto Strobe 300X.

Dual Exposure Compensation ②

The AX-3 provides two independent systems of auto exposure override to compensate for backlighting or other special light situations.

The "AEL" position on the shutter speed dial means "AE lock." With this

setting, depressing the shutter release partway temporarily locks in the exposure reading. Simple exposure compensation is possible this way: step up to the backlit subject, hold the meter reading, step back and make the exposure. A bright-lit portrait is the result.

A second system of auto exposure override is the fractional control built in the AX-3's ASA speed dial. It allows compensation of up to plus/minus one f-stop in controlled stages.

Electronic Self-timer with Audible Signal ③

The electronic self-timer of the AX-3 provides a precise 12-second delay — and emits an audible signal to tell that the countdown is underway. The self-timer switch is included in the AX-3's main power switch.

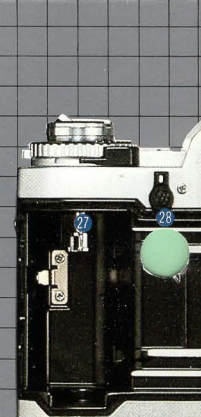
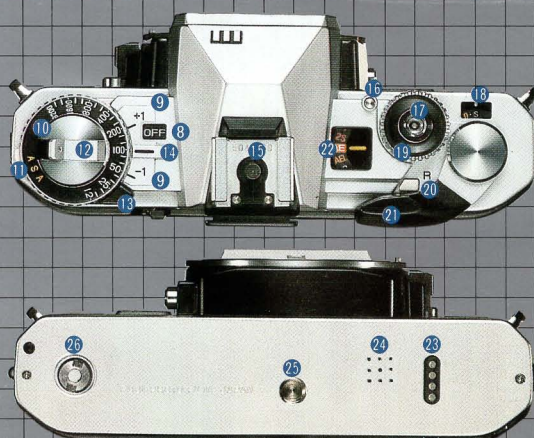
Multiple Exposure ④

The Fujica AX-3 comes with a simple provision for taking multiple-exposure shots. You just press the "R" (Rewind) button on top of the camera, then wind the film advance lever. This cocks the

shutter but does not advance the film, so the next exposure can be made on the same frame. You can repeat the process any number of times for a single multiple-exposure shot.

OTHER EXTRAS

- ☐ The AX-3's electromagnetic shutter release operates at a mere 100-gram pressure, minimizing camera movement. ⑤
- ☐ The built-in eyepiece shutter prevents exposure errors due to stray light entering the viewfinder. ⑥
- ☐ The exposure counter of the AX-3 reverses itself as the film is rewound, a convenient way to check on rewind progress.
- ☐ The film check window tells you if there is film in the camera. When using Fuji film, you can also check the type of film and number of exposures.



System Accessories That Expand the Photographic Potential of the AX-3

FUJICA AUTO STROBO 300X

Bounce Flash with Clip-on Ease

This unique two-tube auto flash unit clips onto the hot shoe of the AX-3 to give simple, yet versatile flash operation. In normal application, the unit delivers brilliant flash exposures up to 11 meters — thanks to its large guide number of 30 (ASA 100/meter). When needed, the main flash head tilts a full 90° for bounce flash: it then works with a rating of guide number 25, while the sub-flash just beneath supplies soft, natural fill-in at guide number 6. F-stop selection and ASA speed setting are the only manual procedures involved; the 300X controls its own light output, while the AX-3 shutter automatically sets to 1/60 sec. sync speed when the flash is fully charged.

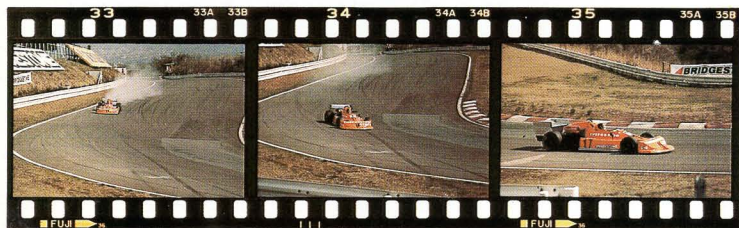


FUJICA AUTO WINDER X

Smooth Sequence Shots at 2 fps

Easily attached to the base of the AX-3, the Fujica Auto Winder X delivers continuous sequence shots at a rate of up to two frames per second. And single-frame operation provides effortless film advance. Either can be had at the flip of a switch. A red LED lights up to show that the film is advancing properly.

The Auto Winder X allows, sequential flash photography when used with the Fujica Auto Strobe 300X.



FUJICA AUTO STROBO AZ

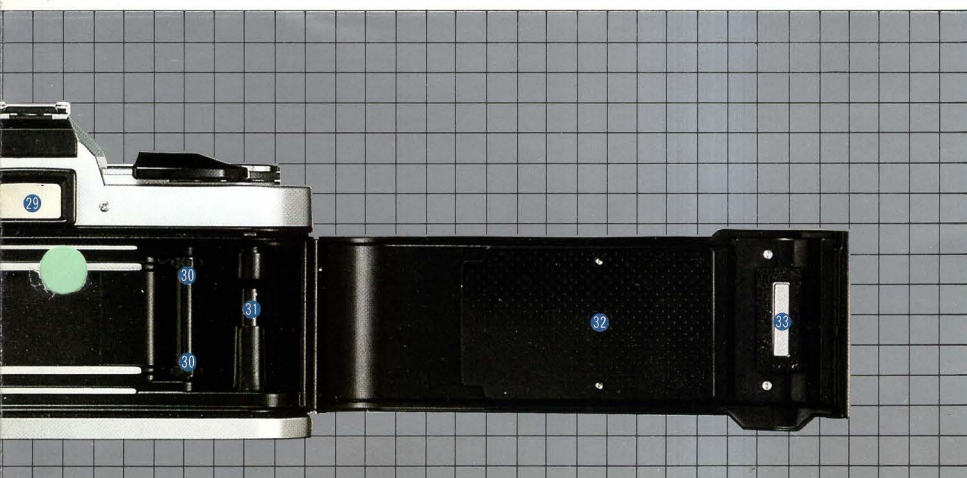
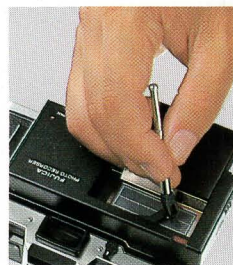
Clipped to the hot shoe of the AX-3, the Auto Strobe AZ provides completely effortless flash operation. The unit automatically senses film speed and adjusts flash output accordingly; the shutter automatically sets to 1/60 sec. sync speed when the flash is charged. Exposure is possible at any lens aperture. At a guide number of 17 (ASA100/meter), the Strobe AZ handles most situations easily for sharp, bright pictures.



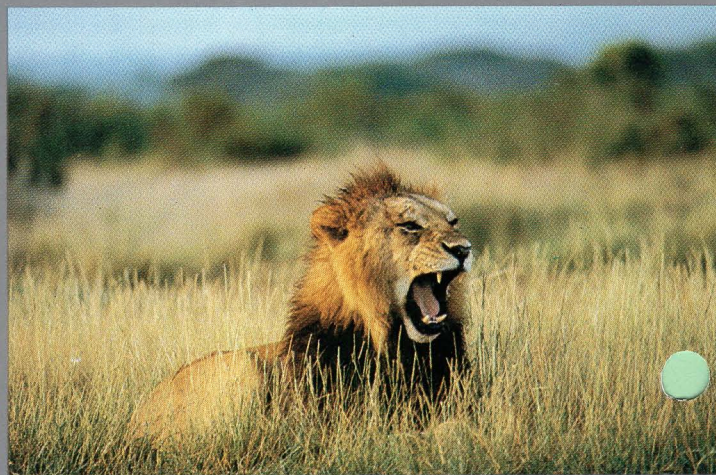
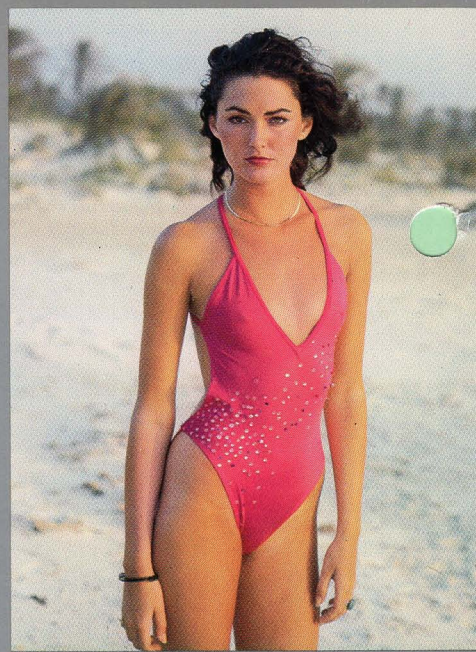
FUJICA PHOTO RECORDER

Versatile Data Recording

This interchangeable data back easily replaces the regular back of the AX-3 and provides easy entry of hand-written data directly on the film. Entry is performed with a built-in "light pen," which allows insertion of data in any form — letters, symbols, numerals, diagrams. A recording check lamp ensures that the written data never goes unrecorded.



- 1 Battery Compartment Cover
- 2 Stop-down/Preview Button
- 3 Aperture Control Lever
- 4 X-sync Socket
- 5 Fujica-X Mount
- 6 Lens Lock
- 7 Quick-return Mirror
- 8 On/Off/Self-timer Indicator Window (Main Switch Window)
- 9 Fractional Exposure Control
- 10 Film Speed Selector
- 11 Film Speed Selector Lock
- 12 Rewind Crank/Knob
- 13 On/Off/Self-timer Lever (Main Switch)
- 14 Film Speed Setting Mark
- 15 Hotshoe (X-contact)
- 16 Shutter Speed Selector Lock
- 17 Shutter Release
- 18 Exposure Counter
- 19 Shutter Speed Selector
- 20 Rewind Button
- 21 Film Advance Lever
- 22 Shutter Speed Window
- 23 Auto-Winder Contact
- 24 Self-timer Signal Unit
- 25 Tripod Socket
- 26 Auto-Winder Coupling
- 27 Film Rewind Spindle
- 28 Eyepiece Shutter Lever
- 29 Eyepiece
- 30 Sprocket Wheel
- 31 Take-up Spool
- 32 Pressure Plate
- 33 Film Check Window



A New "X-Fujinon" Lens Series to Match the Quality Features of the AX-3

The Fujica AX-3 is fully compatible with the new "X-Fujinon" series of interchangeable lenses. Specially created to go with the new Fujica-X bayonet mount SLR series, they encompass a full range of focal lengths — from 16 mm fisheye to 40 mm ultra-telephoto — and help make the AX-3 truly effective as a modern system SLR. Optically, they are superb examples of Fuji's outstanding lens technology while their compact, lightweight design makes a great asset in handling and carrying — especially when combined with the compact format of the AX-3.

The Fujica AX-3 also accepts earlier screw-mount Fujinon lenses via specially provided adapters.



The New High-performance X-Fujinon Compact Lens Series

WIDEANGLE

- EBC X-FUJINON-W 24mm f/2.8 DM
- EBC X-FUJINON-W 28mm f/3.5 DM
- EBC X-FUJINON-W 35mm f/2.8 DM

NORMAL

- EBC X-FUJINON 55mm f/1.6 DM
- X-FUJINON 55mm f/1.6 DM
- X-FUJINON 55mm f/2.2

TELEPHOTO

- EBC X-FUJINON-T 100mm f/2.8 DM
- EBC X-FUJINON-T 135mm f/3.5 DM
- EBC X-FUJINON-T 200mm f/4.5 DM
- EBC X-FUJINON-T 400mm f/4.5

ZOOM

- X-FUJINON-Z 29-47mm f/3.5-4.2 DM
- X-FUJINON-Z 43-75mm f/3.5-4.5 DM
- EBC X-FUJINON-Z 75-150mm f/4.5 DM

SPECIAL PURPOSE LENSES

- EBC X-FUJINON-FISH-EYE 16mm f/2.8 DM
- EBC X-FUJINON-MACRO 55mm f/3.5 DM

Note: Lenses designated EBC are Electron Beam Coated, a special Fuji process to virtually eliminate ghost and flare.

FUJICA AX-3 SPECIFICATIONS

Type: 35mm single-lens reflex aperture- priority automatic exposure camera with electronically controlled focal plane shutter.

Picture Size: 24 × 36mm.

Exposure Modes: Aperture-priority AE, stopped-down AE, electronic flash AE, fully metered manual.

Standard Lenses: X-Fujinon 55mm f/1.6 DM. X-Fujinon Z 43mm — 75mm f/3.5 — 4.5 DM.

Lens Mount: Fujica-X bayonet; 65° tuning angle; flange back 43.5mm.

Viewfinder: Fixed eye-level pentaprism, silver-coated.

Field of view: 92% vertical and horizontal.

Magnification: 0.98x (with 55mm lens at infinity).

Focusing: 3-way system (split image, micropism, ground glass).

Mirror: Quick-return mirror, surface-treated for increased light reflection.

Eyeiece shutter: Built-in, lever-operated.

Stop-down button: Lens diaphragm closed down while pressure is kept on the button.

Manual Exposure: Full metering capability, with LED indication of selected shutter speed, and proper shutter speed.

Shutter: Electronically controlled cloth focal plane shutter; oil-less metal used in critical friction points.

Speed range: 2 sec. to 1/1000 sec. plus B.

Multiple exposure: Working film advance lever while pushing on "R" (for Rewind) button primes shutter for multiple exposure; process repeatable as often as wanted.

Self-timer: Electronically controlled, 12-sec. delay time; timer action signaled by electronic sound.

Shutter Release Button: Electromagnetic shutter release; halfway depression activates exposure meter and turns on viewfinder display; full depression makes exposure; with cable release socket.

Flash synchronization: X-contact, 1/60 sec. synch speed.

Auto flash operation: With accessory flash unit, camera automatically sets flash synch speed and brings on 1/60 sec. LED display when flash is ready to fire; flash unit controls light output to suit subject distance, aperture and film speed in use.

Camera Back: Back cover springs open when rewind crank is pulled up; can be detached and replaced with Fujica Photo Recorser data back.

Viewfinder Information: LED display and aperture window.

Indicators: LED shutter speeds indicator (with scale), aperture readout window, "M" to indicate manual mode, over/under-exposure warning, battery warning.

Activation of display: Viewfinder display activated by halfway pressure on shutter release button, with main power switch on.

Auto Exposure System: Electronically controlled.

Exposure meter: Through-the-lens (TTL) center-weighted averaging meter, with silicon photocells.

Metering range: EV 0 — 18 (2 sec. at f/1.4 — 1/1000 sec. at f/16, ASA 100/21 DIN).

Film speeds: ASA 12 — 3200 (12 — 36 DIN).

AE lock: With shutter speed dial on "AEL," pushing halfway down on shutter release freezes meter reading, locks it in memory.

Exposure compensation: Up to ±1 f-stop steplessly (click-stopped in 1/3 steps); by film speed dial.

Film Loading: Easy loading with multi-slit take-up spool.

Film Advance: Single-stroke lever, winds also in multiple strokes; 144° winding angle, 25° standoff.

Frame Counter: Auto-reset additive type; counter reverses with film rewind action; no frames advanced during multiple exposure operation.

Film Rewind: By rewind button and crank; button resets itself when rewind is completed.

Power Source: One 6-volt silver oxide battery (JIS-4G13, Eveready No. 544, Mallory PX28), or alkaline-manganese battery (Eveready No. 537); half-year battery life under normal use.

Battery check: By LED viewfinder display: red LED at "B" position blinks to show insufficient battery power.

Power switch: Pulling out lever next to film speed dial readies camera for operation; self-timer operated by same lever.

Dimensions: 135 × 84.5 × 48.5mm (5-5/16 × 3-5/16 × 1-7/8 in.) (body alone); 135 × 84.5 × 99mm (5-5/16 × 3-5/16 × 3-7/8 in.) (with 55mm f/1.6 lens).

Weight: 520g (18.2 oz.) (body alone); 795g (27.8 oz.) (with 55mm f/1.6 lens).

Accessories: Hard case, strap, lens cap.

Optional Accessories: Fujica Auto Winder X, Fujica Auto Strobo AZ, Fujica Auto Strobo 300X, Fujica Photo Recorser, Fujica Mount Adapter X-D, Fujica Mount Adapter X-S, Fujica Auto Extension Tube X25, Fujica Auto Extension Tube X50, Fujica Auto Bellows X, Fujica Slide Copier X, Fujica Microscope Adapter X, Fujica Macrocinocopy X, Fujica Reverse Adapter X, Fujica Focusing Rail X, Fujica Right-Angle Finder, Fujica Eyesight Adjustment Lenses, Fujica Eyecup, Fujica Close-up Lens, Fujica Lens Hood 55.

FUJICA AUTO WINDER X SPECIFICATIONS

Winding Speed: Approx. 0.5 sec. (up to two frames a second during continuous operation).

Operation: By shutter release button on camera body, with winder switch turned on.

Coupled Shutter Speed Range: 2 sec — 1/1000 sec., plus B, for both continuous and single-frame modes.

Frame Counter: Camera frame counter coupled to winder action.

Winder Action Check: By red LED above winder switch: LED lights when film is being advanced properly.

Automatic Stop Circuit: Winder stops automatically when film is finished or when batteries lose working voltage.

Power Source: Four AA-size (penlight) batteries. Minimum winding capacity: 20 36-exposure rolls at normal temperature (carbon-zinc batteries).

Attachment to Camera: By thumbscrew that fits in camera's tripod socket.

Dimensions: 137 × 36 × 37.5mm. (5-3/8 × 1-7/16 × 1-15/32 in.)

Weight: 250g (8.8 oz.) (without batteries).

FUJICA AUTO STROBO 300X SPECIFICATIONS

Type: Electronic flash with series control auto flash operation.

Camera Fitting: Clip-on in camera hot shoe; locking provision.

Guide Number: 30 (ASA 100-meter)

Two flash tubes are used in bounce flash, with these guide numbers:

Main flash unit: 25 (ASA 100/ meter)

Sub-flash unit: 6 (ASA 100/meter)

Light Coverage: Corresponds to angles of view of 35mm lens with 35mm film format.

With Wide Adapter, illumination covers picture area of 28mm lens.

Recycling Time: 7 sec. (with fresh set of alkaline-manganese batteries).

5 sec. (under similar conditions with nickel-cadmium batteries).

Light Quality: Daylight type.

Number of Flashes: 150 flashes with AA-size (penlight) alkaline manganese batteries.

Aperture Selection: Three auto apertures, color coded, plus manual.

With ASA 100 film (21DIN), color aperture setting work with following lens apertures: Red: f/2.8, Green: f/5.6, Yellow: f/11

Flash Distance Range:

Red Mark: 1.5 — 10.7m (5 — 36 ft.)

Green mark: 1.0 — 5.3m (3.3 — 18ft.)

Yellow mark: 0.8 — 2.7m (2.7 — 9 ft.)

Bounce Flash: Flash head tilts from 0° to 90°, turning flash head up automatically switches on sub-unit, with bounce flash always working as a two-tube system.

Power Source: Four AA-size (penlight) batteries; compatible with nickel-cadmium batteries.

Film Speeds: ASA 25 — ASA 400 (15 — 27 DIN); film speed to be set manually on flash unit.

FUJICA AUTO STROBO AZ SPECIFICATIONS

Type: Electronic flash with series circuit for automatic light control.

Camera Fitting: Special contact for clip-on mounting with provision for locking.

Guide Number: 17 (ASA100/meter)

Light Angle: 42° vertically and 59° horizontally; provides coverage for 35mm format with 35mm lens.

Recycling Time: 7 sec. with AM-3 (alkali-manganese) batteries.

Number of Flashes: 300 with AM-3 (alkali-manganese) batteries.

Light Quality: Daylight

Film Speed: ASA 25 — 800; film speed is automatically sensed and flash output adjusted accordingly.

Power Source: Four penlight batteries.

FUJICA PHOTO RECORSER SPECIFICATIONS

Dimensions (H × D × W): 15 × 49 × 105mm. (19/32 × 1-59/64 × 4-9/64 in.)

Memory Plate Area: 40 × 14mm. (1-37/64 × 35/64 in.)

Film Recording Area: 8 × 2.8mm (5/16 × 1/8 in.) (1/5 of memory plate area).

Film Recording Position: Lower lefthand corner (approx. 3mm (1/8 in.) from frame lines).

Memory Plate Type: Erasable memory plate (to be replaced with new plate at appropriate intervals).

Power Source: Two AAA-size (alkaline-manganese) batteries.

The above specifications and minor outward features are subject to alteration without notice to permit improvements and modifications to be made, when called for, without delay or inconvenience.

THE GROWING "FUJICA-X SLR" SYSTEM



The Fujica AX-3 is part of the new Fujica-X bayonet mount SLR series. Currently, it contains four models — the top-of-the-line Fujica AX-5, the AX-3, the easy-to-own AE camera AX-1, and the manual model STX-1. These cameras form the nucleus of an

exciting new "Fujica-X SLR System," complete with interchangeable lenses and accessories. Some of the more important accessories (other than those already described) include the following — and the system is continually growing: Fujica Auto

Extension Tubes X25 and X50, Auto Bellows X, Reverse Adapter X, Microscope Adapter X, Macrocincopy X, Slide Copier X, Focusing Rail X, Mount Adapters X-D and X-S, Right-angle Finder, Eyesight Adjustment Lenses.

Trio of High Quality Fuji Color Films



FUJICOLOR F-II 400
(for color prints)
ASA400/27DIN
(Daylight type)



FUJICOLOR F-II
(for color prints)
ASA100/21DIN
(Daylight type)



FUJICHROME 100
(for color slides)
ASA100/21DIN
(Daylight type)

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