FUJICA AX-5



A Multi-mode Automatic Exposure Camera with Full System Capabilities



The all-new Fujica AX-5 turns you into a complete photographer. With its impressive five auto exposure modes, plus manual control, no photographic situation — and opportunity — is beyond your grasp.

The Fujica AX-5 has a newly designed "Fujica-X" bayonet mount, which promises the quickest lens change. There are lenses and lenses to fit the AX-5, the finely crafted "X-Fujinons" that encompass a full range of needs. And consider some of the system accessories. Fujica Auto Strobo 300X for brilliant flash photography. Fujica Auto Winder X for continuous action shooting. Fujica Photo Recorser, the unique data back. And extension tubes, bellows, microscope adapter, and a host of others to keep the AX-5 functioning in many fields of specialized photography.

The Fujica AX-5 opens a new horizon in your photographic experience. Its advanced electronics assure flawless performance time after time. And, above all, it lets you be the complete master of situation — and photographic creation.



Five-mode Exposure Automation plus Manual Control

Mode 1: Aperture-priority AE

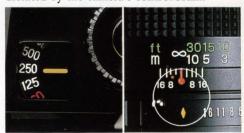


When you want full control over depth of field, this is the mode to use. Stop down the lens, and you can capture a full scene in sharp focus. Open it wide, and the subject clearly stands out against a blurred background. Set the AX-5's shutter speed dial for "AE" (or "AEL") and select your own aperture: the camera instantly computes the correct shutter speed, from a slow 2 seconds to a stopmotion 1/1000 sec.

Mode 2: Shutter-speed Priority AE

In action photography, the shutter speed is the critical element — and the AX-5's Shutter-speed Priority AE provides

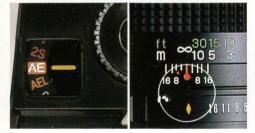
the control you need. Setting up this exposure mode is again simple: just set the lens aperture ring for " \(\psi \)" auto mark, then choose the speed you want on the shutter speed dial. If you want to freeze fast action, you naturally opt for fast shutter speeds, such as 1/1000 sec. Or you can deliberately blur the action — at a slow shutter speed — to suggest a feeling of motion. Exposure comes out perfect every time, with the lens diaphragm closing down to just the opening dictated by the camera's control brain.



Mode 3: Programmed AE

The AX-5's programmed AE mode provides complete exposure automation — convenient in news photography where split seconds count, or when you watake simple snapshots without the bother of exposure settings. With the shutter dial on "AE" (or "AEL") and the aperture ring on "♠" auto mark, the camera sets optimum aperture and shutter speed by programmed automation.





Mode 4: Stopped-down AE

Stopped-down AE is an essential function when you want to work with close-up equipment and external optical systems, such as bellows and microscope. The shutter speed dial is again set for "AE" (or "AEL"); when you have selected your aperture, you first push the stopdown button, and then release the shutter. The camera meters through the stopped-down lens and instantly computes the correct shutter speed for perfect exposure. This mode is also useful when the earlier screw-mount Fujinon lenses are used with the AX-5 via mount adapters.

Mode 5: Electronic Flash AE

This exposure mode works with either Fujica Auto Strobo 300X or Auto Strobo AZ — via hot shoe contact. When the flash is fully charged, the AX-5 shutter automatically sets to 1/60 sec. flash sync speed; when exposure is made, the flash unit automatically controls light output to suit the set aperture and subject distance for proper exposure.

Mode 6: Fully Metered Manual

When necessary, the AX-5 provides fully metered manual operation. Free the camera from auto settings, and you can choose your own aperture and shutter speed to create any desired exposure effects.

Full Information Viewfinder

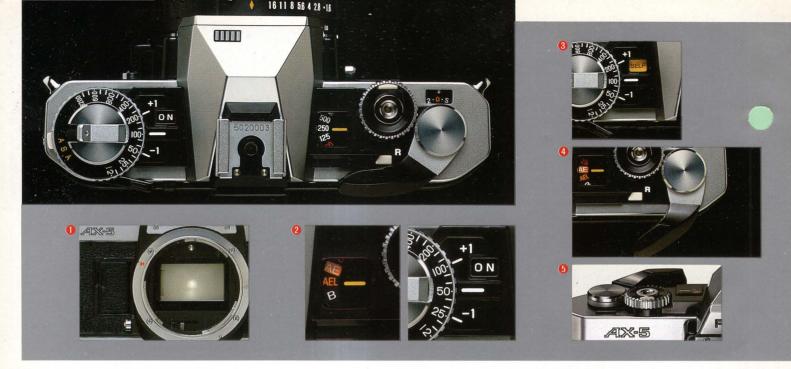
A clear, easy-to-read LED display in the viewfinder gives complete exposure information. Included are exposure mode, aperture and shutter speed settings in the AE modes, and full metering information in the manual mode; over- and underexposures are warned by flashing LEDs (at over-the-edge positions), and insufficient battery power is warned by blinking LED (at "B" position). The LED display lights when the shutter release button is partially depressed or when the Meter Button is pressed.

A three-way focusing screen includes split-image, microprism and matte field, a versatile system that assures fast and accurate focusing with any subject or under any light condition.

"C bernation"

A special feature of the AX-5 is "Cybernation" — a form of automated computer control. This system provides backup control, through a special feedback circuit, of exposure values by rechecking exposure conditions just as shutter

operation begins. And if the photography should ignore the over- or underexposure warning during shutter priority AE operation, Cybernation automatically resets the manually set shutter speed so that correct exposure is obtained.



COMPACT BODY PACKED WITH ULTRA-MODERN FUNCTIONS

To look at the Fujica AX-5, you wouldn't think so much sophistication can be built into a camera body so small—and light. Yet, Fuji engineers have taken full advantage of the latest progress in the electronics science, and have squeezed all the impressive exposure functions, plus a host of other exciting features, into the compact shell of the AX-5.

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-5 via Mount Adapter X-D or X-S (though with limited access to the AX-5's operational modes).

Dual Exposure Compensation 2

The AX-5 provides two independent systems of auto exposure override to compensate for backlighting or other special light conditions.

The "AEL" position on the shutter speed dial means "AE lock." With this setting, depressing the shutter release partway locks in the exposure reading, temporarily holding it in the camera's exposure memory. The AE lock allows simple exposure compensation during aperture-priority AE and programmed AE operation.

The fractional exposure control built in the AX-5's ASA speed dial allows compensation of up to plus/minus one f-stop, in stepless stages. This system works with all the auto exposure modes of the AX-5.

Electronic Self-timer with Audible Signal 8

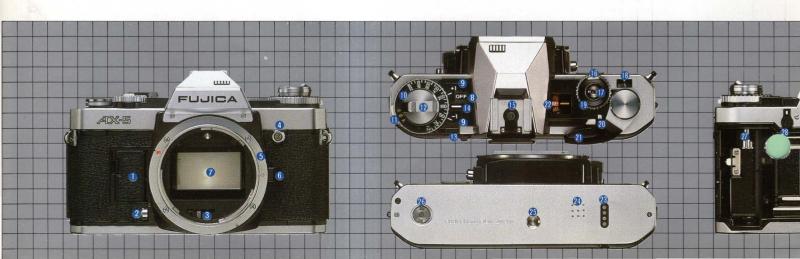
The electronic self-timer of the AX-5 provides a precise 12-second delay — and emits and audible signal to tell that the countdown is underway. The self-timer switch is included in the AX-5's main power switch.

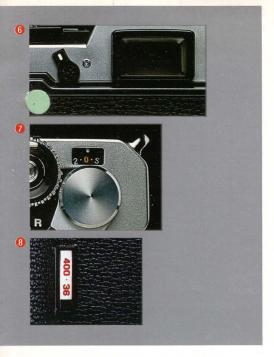
Multiple Exposure 4

The Fujica AX-5 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 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.

Two-way Exposure Metering

There are two ways to activate the AX-5's meter system. One is by pressing lightly on the shutter release button; a second is by using the Light Metering Button, positioned just inside the shutter dial ring. You can easily change speed settings while pressing down on this button — and watching the LED display in the viewfinder.





Electromagnetic Shutter Release 6

A very light 100-gram pressure operates the AX-5's electromagnetic shutter release. A big help in avoiding blurred pictures due to camera movement.

Evepiece Shutter 6

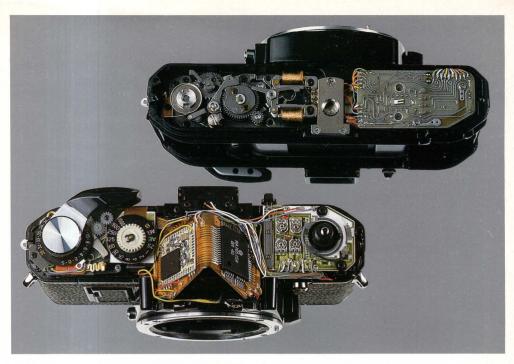
A built-in eyepiece shutter moves in place at the flip of a lever. No stray light fouls up the meter reading in critical light lations.

Reversing-type Exposure Counter 7

The exposure counter of the AX-5 is coupled to the film rewind action, so the counter counts backward as the rewind crank is operated. It gives visual assurance of proper film rewind.

Film Check Window 3

The small window in the camera back shows at a glance whether there is film in the camera or not. When Fuji film is used, the number of exposures and film type conveniently show through.



The Advanced **Electronics Technology** of the AX-5



Electronic Accuracy and Reliability

The electronic control circuits of the Fujica AX-5 are divided into four major blocks. All of which are ICs. This reduces the number of individual parts enormously, with the result that both accuracy and reliability are vastly improved.

Heart of the exposure control system is a 7000-element micro-computer with a highly integrated I2L (Integrated-Injection Logic) LSI. The role of this amazingly complex but diminutive computer is to calculate optimum exposure values from such input data as lens aperture or shutter speed selected, film speed, maximum f-stop of the lens, and subject brightness.

To make sure that the computer gets the most accurate information on light conditions, a new silicon cell with even faster response and wider linearity range has been developed for the AX-5.

Linear Resistance

Further evidence of the advanced technology of the AX-5 is the use of linear resistance, instead of the step arrangement of most other cameras, for extremely accurate transmission of shutter speed and film speed information within the camera. And aperture information is transmitted by a tiny but highly accurate potentiometer.

Reliable Electromagnetic Control

To insure precise timing of shutter speeds, electromagnets are used to control the front and rear shutter curtains. A combination electromagnet is also used to control the action of the mirror and lens diaphragm.

In turn, these electromagnets are controlled by electrical switches instead of the conventional mechanical switches. These electrical switches are without the time lags of mechanical switches, and are more reliable, with the result that highly accurate exposure is assured at all times.



- Battery Compartment Cover
- 2 Stop-down/Preview Button
- Aperture Control Lever
- X-sync Socket
- 6 Fujica-X Mount
- 6 Lens Lock
- Quick-return Mirror
 - On/Off/Self-timer Indicator Window (Main Switch Window)
- 9 Fractional Exposure Control
- Film Speed Selector
- Film Speed Selector Lock
- Rewind Crank/Knob On/Off/Self-timer Lever (Main Switch)
- Film Speed Setting Mark
- Hotshoe (X-contact)

Meter Button

- M Shutter Release
- Exposure Counter
- Shutter Speed Selector
- Rewind Button
- Film Advance I ever
- 2 Shutter Speed Window
- Auto-Winder Contact
- 2 Self-timer Signal Unit
- Tripod Socket
- Auto-Winder Positioning Hole
- film Rewind Spindle
- Eyepiece Shutter Lever
- Eyepiece
- Sprocket Wheel
- Take-up Spool
- Pressure Plate 3 Film Check Window

SYSTEM: WHAT QUALITY "SLR" EQUIPMENT IS ALL ABOUT

The Fujica AX-5 is backed by a complete range of "Fujica X" system accessories. When you start building your personal system on the Fujica AX-5, you are getting nothing less than one of the finest and most versatile tools of photographic creation and interpretation ever



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-5 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-5 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-5, 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 to show that the film is advancing properly.

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

FUJICA AUTO STROBO AZ

Clipped to the hot shoe of the AX-5, the Auto Strobo 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

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17 (ASA100/meter), the Strobo AZ handles most situations easily for sharp, bright pictures.

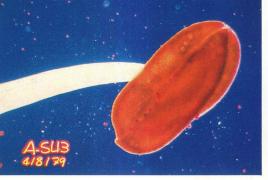
FUJICA PHOTO RECORSER

Versatile Data Recording

This interchangeable data back easily replaces the regular back of the AX-5 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, including letters, symbols, numerals, even diagrams. A recording check lamp ensures that the written data never goes unrecorded. A useful feature in general photography and in many science applications.







THE FUJICA X SYSTEM

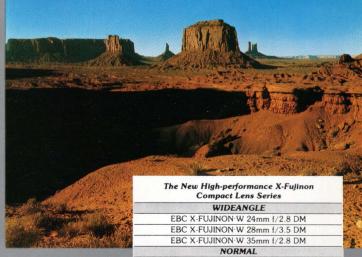
The Fujica AX-5 is top-of-the-line model in the new Fujica-X bayonet mount SLR series. The three other cameras in the series: the advanced aperture-priority AE camera AX-3, the easy-to-own AE camera AX-1, and the manual model STX-1. These four cameras form the nucleus of an exciting new "Fujica X-SLR System," already backed by an impressive array of interchangeable lenses and accessories. Following are some of the system accessories that further extend the photographic potential of AX-5: Fujica Auto Extension Tubes X25 and X50, Auto Bellows X, Reverse Adapter X, Microscope Adapter X, Macrocinecopy X, Slide Copier X, Focusing Rail X, Mount Adapters X-D and X-S, Rightangle Finder, Eyesight Adjustment Lenses.











Superb New "X-Fujinon" Lens Series Adds Scope to the Fujica X-SLR System

A complete new series of "X-Fujinon" interchangeable lenses have been designed to fit the bayonet mount bodies of the new Fujica-X SLR series. Extending from 16 mm fisheye to 400 mm 1-telephoto, the new series fills virtually every need in today's manding SLR photography. Optically, they all bear the imprints of Fuji's superior lens technology — sharp with outstanding color balance and high contrast; physically, their compact, lightweight design makes a great asset in both handling and carrying.

Lenses with the "DM" designation are equipped to function in all the auto exposure modes of the AX-5 and thus draw out the camera's best potential. Earlier screw-mount Fujinon lenses also adapt to the AX-5 via specially provided adapters.



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 Dr

ZOOMX-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-5 SPECIFICATIONS

Tune: 35mm single-lens reflex multiple-mode automatic exposure camera with focal

plane shutter Picture Size: 24 × 36mm.

Exposure Modes: Aperture-priority AE, shutter speed-priority, programmed 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° turning 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).

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

Mirror: Quick-return mirror, surface-treated for increased light reflection. Eyepiece shutter: Built-in, lever-operated.

Viewfinder Information: By LED display.

LED indication of exposure modes, shutter speeds (with scale), apertures (with

scale); over/under-exposure warning, battery warning.

Activation of display: Viewfinder display activated by halfway pressure on shutter release

button, or full depression of Light Metering Button, with main power switch

Auto Exposure System: Electronically controlled; selection of auto exposure modes by

shutter speed dial and aperture ring.

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

Metering range: EV 0 - 18 (1/2 sec. at f/1.4 - 1/1000 sec. at f/16, ASA 100/21 DIN). **Film speeds:** ASA 12 - 3200 (12 - 36 DIN).

With shutter speed dial on "AEL," pushing halfway down on shutter release AE lock:

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

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

Shutter: Electronically controlled cloth focal plane shutter, oil-less metal used in critical

friction points

Speed range: Speed range: 1/2 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

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

exposure; separate Light Metering Button provided; 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.

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

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: $135 \times 84.5 \times 48.5$ mm $(5-5/16 \times 3-5/16 \times 1-7/8 \text{ in.})$ (body glone): $135 \times 84.5 \times 99$ mm (5-5/16×3-5/16×3-7/8 in.) (with 55mm f/1.6 lens).

530g (18.6 oz.) (body alone); 805g (28.2 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 Macrocinecopy X, Fujica Reverse Adapter X, Fujica Focusing Rail X, Fujica Right-Angle Finder, Fujica Eyesight Adjustment Lenses, Fujica Evecup, Fujica Close-up Lens, Fujica Lens Hood 55.

FUJICA AUTO WINDER X SPECIFICATIONS

Winding Speed: Approx. 0.5 sec. (up to two frames cond 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

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

Weight:

Type: Electronic flash with series control auto flash operation. Camera Fitting: Clip-on in camera hot shoe; locking

Guide Number: 30 (ASA 100-meter)

Two flash tubes are used in bounce flash, with these quide 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 Recycling Time: 7 sec. (with fresh set of alkaline-manganese

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

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 batterie

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

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-mangan

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

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

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

Film Recording Area: 8×2.8m

(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 inter-

Power Source: Two AAA-size (alkaline-manga

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 are not alteration.

FUJI FILM

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