

MIRANDA SENSOREX



MIRANDA CAMERA CO., LTD.
C.P.O. BOX NO. 2072 TOKYO

MIRANDA



WORLD'S FINEST SYSTEM CAMERA WITH UNIQUE THROUGH-THE-LENS METERING

The MIRANDA Sensorex introduces a totally revolutionary new method of "through-the-lens" light measuring system.

Unsurpassed in design, quality and versatility, it sets a new standard in the realm of system cameras.

Due to the unique location of the sensing area behind the mirror, the Sensorex offers all advantages of both the spot and average reading systems. With the Sensorex, light reading can be made with any type of lens with the iris either fully open or closed down, depending on the method preferred by the user.

The Sensorex, due to its unique light measuring system and wide range of Miranda interchangeable lenses and accessories, becomes truly the "System Camera."

TECHNICAL DATA

LENS: AUTO-MIRANDA 50mm f/1.9, 4-group 6-element Gauss type, spectra-hard coated, fully automatic diaphragm coupled to through-the-lens exposure meter, depth-of-field preview lever, smallest aperture f/16, closest focus at 45cm (17"), uses screw-in 46mm filters.

SHUTTER: Focal plane type, speeds from 1 to 1/1000 sec. and B, release button on camera front, built-in variable delay self-timer.

FLASH SYNCHRO: FP and X (X at 1/60th) adjusted by setting the selector dial.

VIEWFINDER: Pentaprism type, interchangeable with reflex viewfinders, magnification 0.92X (with 50mm f/1.9 lens at infinity), uses condenser and Fresnel lens, quick-return mirror

FOCUSING: By pentaprism SLR system, with multi-microprism focusing spot in the center.

LENS MOUNT: Miranda Mount usable for both bayonet and screw-base lenses.

LENS INTERCHANGEABILITY: Accepts interchangeable lenses of 28mm up to 800mm.

EXPOSURE CONTROL: Through-the-lens CdS light measuring (1) at full aperture, (2) at closed aperture or (3) through selective spot or average reading, with measuring angle and area variable with lens in use, match needles visible in the finder, CdS sensing spot in the center of the mirror occupying approx. 4.5% of total mirror area, light measuring range EV 3-18, film speed range ASA 25-1600, uses Mallory #625 mercury battery or equivalent.

FILM ADVANCE: Ratchet winding lever.

FILM REWIND: Rewind knob with collapsible crank, self-resetting release button.

FILM COUNTER: Advance counting type, resets automatically to "S", winding indicator.

ACCESSORIES: Uses all accessories made for previous series of MIRANDA Cameras.

OTHER FEATURES: Lens selector dial, ASA speed dial, double exposure prevention, tunnel-type film pressure plate, hinged back cover with double safety locking device (entirely removable).

SIZE: 146 x 94 x 86 mm (thickness of body 52mm)

WEIGHT: 950 grams (body only 650 grams)

is the world's only camera capable of measuring light through the lens at full aperture with any type of lens.



The MIRANDA Sensorex permits measurement of light at full aperture not only with exclusive Miranda lenses. It offers the same possibility with any type of lens of either automatic or preset diaphragm type. The Sensorex is the only camera in the world capable of taking spot reading of the light through the lens at full aperture. Full aperture light measuring guarantees quick, easy and accurate exposure determination under all light conditions. The Sensorex is designed to permit easy and accurate light measuring with close-up devices as well as telescopes and microscopes.

The Sensorex also has a provision for closed-aperture through-the-lens light measuring.

+ METERING-SYSTEM

Three different through-the-lens light measuring methods:

1. Full aperture reading with automatic as well as all types of preset lenses, microscopes and close-up devices.
2. Spot measuring system of subject areas with great variation of light intensity.
3. Closed aperture reading with lenses and close-up devices, similar to full aperture method.

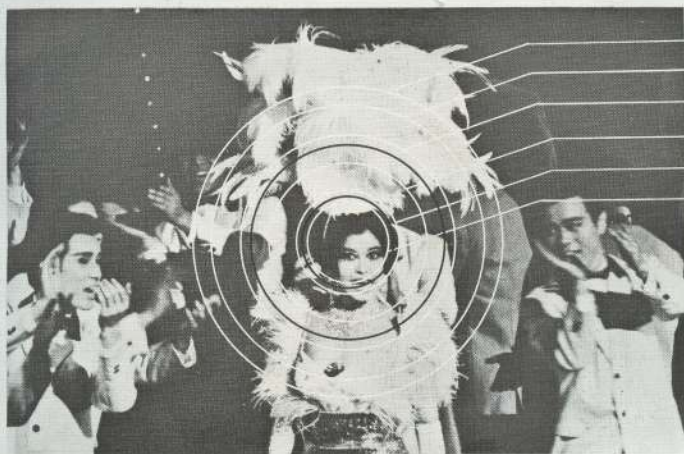
Extra-bright pentaprism viewfinder interchangeable with numerous other viewing aids.

An incomparable line of interchangeable lenses from 28mm 800mm is available for the Sensorex. By means of adapters, lenses of other brand SLR cameras can also be used.

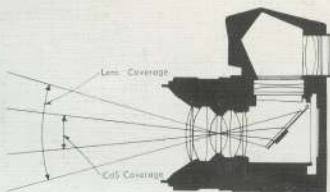
The main control of the Sensorex exposure computing system lies in the lens selector dial with settings from $f/1.4$ to $f/8$. By simply setting this dial according to the lens mounted on the camera and making appropriate adjustment for film speed and shutter speed, correct exposure can be computed under any light condition by turning the diaphragm setting lever until the coupling needles visible in the finder coincide.

Through availability of a wide range of accessories, the Sensorex truly becomes the most complete "SYSTEM CAMERA" in world.

FLEXIBLE AND VARIABLE SPOT MEASURING SYSTEM



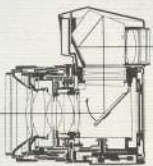
28mm (10°10')
35mm (8°10')
50mm (5°40')
135mm (2°13')
400mm (45')
800mm (23')



The spot measuring of the incoming light is the ideal way to obtain accurate exposure under difficult light conditions, such as high contrasted and backlit subjects.

The unique spot reading feature of the MIRANDA Sensorex completely eliminates the need for compensation calculations required when using a camera with "average reading system."

As the angle and area of the sensing spot located in the center of the mirror is determined by the focal length of the lens used, the sensing area therefore becomes smaller and more critical as longer telephoto lenses are used, assuring total exposure control at all times.



AUTOMATIC THROUGH-THE-LENS CdS METERING

The exposure in the MIRANDA Sensorex is controlled by a highly sensitive CdS meter with the sensing spot placed behind the mirror

The meter is directly coupled to the ASA speed dial as well as the shutter speed and diaphragm control so that correct exposure may be obtained automatically.

Once the lens selector and ASA speed dials are set appropriately, only the shutter speed dial or the diaphragm setting lever need be adjusted to obtain correct exposure.

EXTRA-LARGE SINGLE-PIVOT SHUTTER SPEED DIAL

The shutter speeds are calibrated on an extra-large dial which can be turned without being lifted for most simple adjustment and which permits easy reading. It enables most efficient control of the shutter speed even with your gloves on. The speeds can be set either before or after the shutter is cocked, and the dial will not rotate when the shutter is released. Shutter speeds range from 1 second to 1/1000 second, plus B. An uncluttered top deck and automatic controls make picture-taking much surer and faster.

IDEAL POSITIONING OF SHUTTER RELEASE BUTTON

Good pictures cannot be obtained even with the best camera in the world, if there is camera shake at the time of exposure. The shutter release button of the MIRANDA Sensorex positioned on the camera front is designed to effectively prevent camera shake and provide smooth operation. Just hold the camera between thumb and forefinger and press the shutter release button as if trying to squeeze the camera.

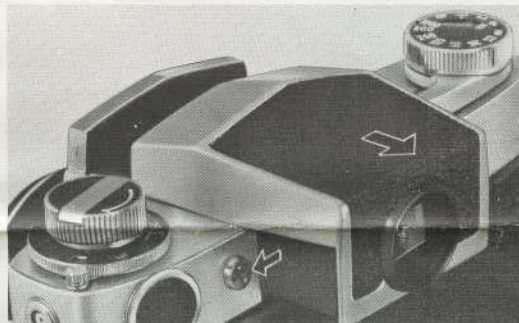


EASY, ACCURATE EXPOSURE SETTING



The needle of the built-in CdS exposure meter is inside the viewfinder, together with another needle which is geared to the shutter and diaphragm mechanism. To set the exposure, it is merely necessary to look through the viewfinder and turn either the diaphragm setting lever or shutter speed dial until the two needles are superimposed. Your MIRANDA Sensorex is then set for correct exposure of the scene you are viewing. This feature works with any of the Auto-Miranda lenses. A couple of extra steps and you can also set the correct exposure with preset lenses with equal ease and accuracy.

INTERCHANGEABLE VIEWFINDER



MIRANDA Sensorex has an ideal viewfinder system, using either the pentaprism viewfinder which shows the exact image as seen by the naked eye, or the reflex type waist-level viewfinders. Interchanging is accomplished by shifting sideward the lock button which releases the pentaprism so that it can be removed by sliding toward the rear. Waist-level finders are available in two types, such as the VF3 which is a unique finder enabling switching to 15 times or 5 times magnification. This viewfinder interchangeability permits unlimited versatility not only in ordinary shooting but also in close-ups, low angle shooting and in all other types of application.

VERSATILITY OF THE SPECIAL MIRANDA MOUNT

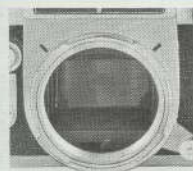
All MIRANDA cameras are fitted with the same uniform Miranda Mount, which has a 4-claw bayonet mount outside and a screw mount of 44mm inside diameter. The bayonet mount is used for the automatic diaphragm lenses, which can be quickly attached or detached by a 1/8 turn of the lens barrel. The inside screw mount is used for mounting preset lenses, close-up rings and other accessories. Moreover by using one of many available adapter rings it is possible to mount lenses made for most other SLR cameras.

BRIGHT AND QUICK FOCUSING

The focusing screen has in its center a multi-microprism grid, which is a collection of minute prisms. This part shows a glittering blur when the image is out of focus even to the slightest degree, and therefore permits quick and accurate focusing. Around the grid is a condenser and finely-grooved Fresnel lens arrangement which shows the viewfinder image unusually bright and clear from edge to edge.

RAPID FILM ADVANCE LEVER

A short easy stroke of the lever cocks the shutter and transports the film, making the camera ready for the next exposure. You can tell at a glance whether or not the shutter is cocked, as the film wind indicator changes color when cocked.



AUTO-MIRANDA LENSES



AUTO-MIRANDA wide angle and telephoto lenses all offer the same advanced automatic diaphragm and coupling to the exposure meter as the standard lens. They are made of rare earth high refractive glass and are of superb optical quality. With them you can take black-and-white or color pictures with sparkling contrast and outstanding sharpness. All glass-to-air surfaces are coated. Mounts are made of light metal making them easy to carry. All AUTO-MIRANDA lenses are made according to special formulas. Every lens is me-

Lens	Picture Angle (degrees)	Construction (Groups-Elements)	Smallest Aperture (f)	Closest Focus (m)	Filter Size (mm)
28mm f/2.8	75	6 8	16	0.25	Screw-in 55
35mm f/2.8	63	5 6	16	0.3	" 55
105mm f/2.8	23	5-5	22	1.2	" 46
135mm f/3.5	18	3-4	22	1.5	" 46
135mm f/2.8	18	5-5	22	1.7	" 55

thoroughly tested by the MIRANDA CAMERA CO., LTD., and only those which meet the ultra strict Miranda standards for quality are accepted.

EASY CHECKING OF DEPTH OF FIELD

The depth of field can be determined from the distance scale in the center of the lens barrel, but for greater accuracy, it can be actually checked by using the preview lever on the lens barrel. This lever when pressed, closes down the lens diaphragm to the aperture selected for the actual shooting. It has no effect on the automatic diaphragm mechanism, as the scene can be viewed at full aperture again as soon as it is released. This preliminary checking can be done more accurately by detaching the pentaprism and using the waist-level viewfinder.

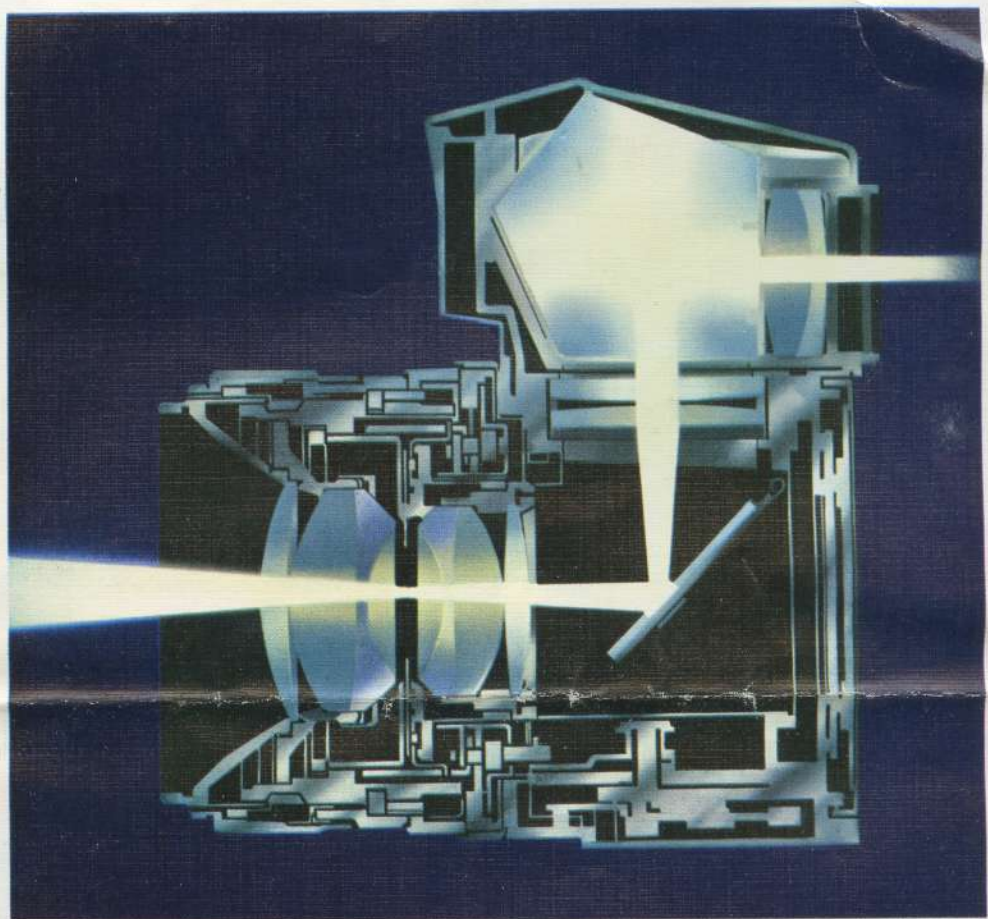
VARIABLE DELAY SELF-TIMER

The self-timer is operated by moving the lever to the left. It provides a delay of 10 seconds, or any desired shorter delay. Since the self-timer releases the shutter without the slightest jar, it can be used conveniently instead of a cable release. The self-timer may be set either before or after the shutter is cocked. If you should find it unnecessary to use the self-timer after it has been set, you can disconnect it by returning the lever to the upright position. The MIRANDA self-timer is the most advanced mechanism of its kind on any camera.

BACK COVER LOCKING DEVICE

Accidental opening of the back cover is completely eliminated on the MIRANDA Sensurex which is provided with a special safety locking device. To open, the clip at the top is pulled up while the lock button in the center is depressed. To close, the back cover is shut and the top clip pushed down, which automatically lock the safety device into position.





ACCESSORIES FOR INCREASING MIRANDA'S VERSATILITY



VF3 Viewfinder

For critical focusing, equipped with twin optics for high and low magnification.



VF1 Viewfinder

Convenient for close-up, copying, etc.



Focabell S

Compact, folding extension bellows



Focabell All

Deluxe type extension bellows unit, giving minute adjustments necessary for macro-photography and ultra close-up shots.



Lens Mount Adapter Rings

- PM: for Pentax mount lenses
- XM: for Exakta mount lenses
- LF: for Leica mount lenses
- NM: for Nikon mount lenses
- CSF: for Contax (standard) mount lenses
- CTF: for Contax (wide angle and telephoto) mount lenses
- ML: for mounting Miranda mount lenses on Leica or enlarger
- AU: for close-ups with Miranda lens



Auto Extension Ring 32mm



Auto Extension Ring 16mm



Auto Extension Ring 8mm



Microscope Adapter

For photomicrography



Miranda Copy Stand

For copying documents, complete with lamp sockets.



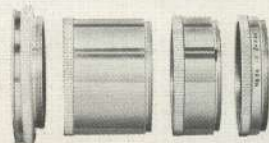
Universal Helicoid

(Helical focusing mount)
For ultra critical close-up focusing



Eyecup

Equipped with adapter for inserting eyesight adjustment lens



Extension Tubes

For close-up photography



Prescription Eyepiece Mounting

A: for near and farsightedness
B: for astigmatism



Flash Bracket

For mounting flash gun and other accessories



Pistol Grip

(with cable release)

Mayfair Photographic Suppliers (London) Ltd.

Hempstalls Lane
Newcastle, Staffs