

# MINOLTA XK



**Electronic system SLR with Auto Electro Finder**



MINOLTA MASTERS PHOTOGRAPHY

**Minolta**

Minolta Corporation  
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XK409E-B1

PHOTO BY J. J. JONES

## Titanium Shutter Curtains

The XK shutter curtains are constructed of titanium, a special metal that can be rolled to amazing thinness. Titanium curtains resist the damaging effects of adverse climates and consequently maintain reliability even under conditions of extreme cold, heat and humidity.

## Film Advance Lever

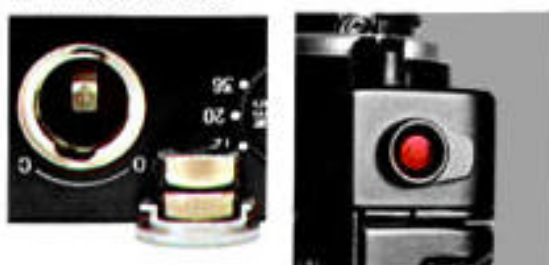
For improved handling, the film advance lever rotates smoothly on precision bearings. Comfortably cushioned, the lever swings out 20° before engagement. Several short strokes or a single 110° stroke advances the film and cocks the shutter.



## Batteries and Battery Checker

Only three volts are derived from a pair of tiny silver-oxide batteries. These batteries are generally superior to other types and can be used at lower temperatures. A battery checker switch with signal light is located on the left side of the camera body.

Battery failure is unlikely. Yet should it occur, there is a mechanism built into the XK which permits you to continue shooting at 1/100 of a second without battery power. "B" setting is also nonelectronic.



## XK HIGHPOINTS

### Multiple Exposures

Merely depressing the film advance release permits the shutter to be cocked without moving the film forward to the next frame. The film remains motionless, holding its position exactly, regardless of how many exposures are made.

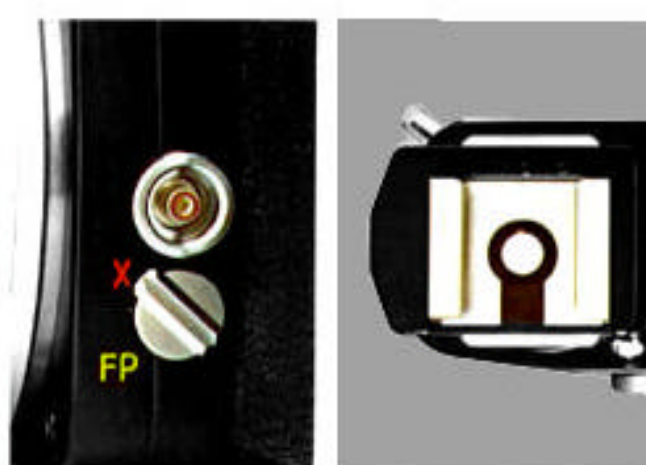
### X-Synchronizations

By positioning the shutter speed dial at "X", the shutter synchronizes with electronic flash units at a very rapid 1/100 of a second. This speed is non-electronic and does not require battery power.

There is only one receptacle cord connection. For X or FP synchronization, a switch is provided.

### Cordless Contacts

For cordless flash units, a "Hot Shoe" contact is incorporated into the XK. Minolta's flash mount accessory holder provides the direct connection for flash synchronization.

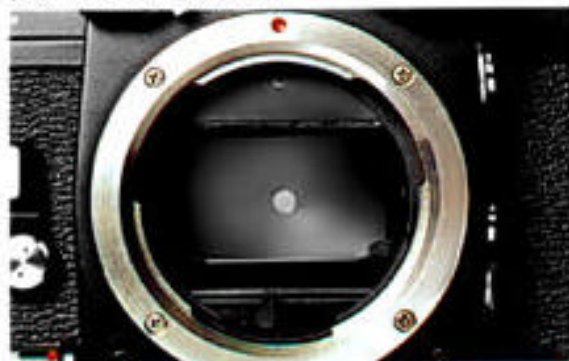


### Overize Quick Return Mirror

The XK's reflex mirror is sufficiently large to avoid image cutoff even when extreme telephoto and close-up lenses are used. An independent mirror lock-up switch is also provided. This switch doubles as a depth-of-field preview button.

## Minolta SLR Bayonet Lens Mount

To guarantee a lasting precision fit, lenses seat against a stainless steel flange. Mounting is accomplished by inserting and twisting the lens 54° in a single, smooth-flowing motion. No other adjustments are required.



## XK Standard Lenses

For the XK, you have three, newly-designed standard Rokkor-X Lenses to select from. Each has a waffle pattern focusing grip for easy handling, while shooting.

The most demanding photographer will probably choose the 58mm F1.2. The most popular normal lens is the 50mm Rokkor-X with a maximum aperture of F1.4. An alternative to this would be the 50mm F1.7. Regardless of which basic lens you may prefer, all are made with same commitment to exceptional optics and all have Minolta's exclusive Achromatic Coating.



## INTERCHANGEABLE XK FINDERS

### 1. Plain Finder

The meter-less Plain Finder displays both shutter speed and lens F stop. It presents a clear, unobstructed view of the entire subject area for quick, accurate focusing and composition.

### 2. High-Magnification Finder

The entire field of view is magnified 6.20 times with this finder which is particularly suitable whenever extremely critical, fine focusing is necessary. The High-Magnification Finder has a built-in dioptic adjustment for individual eyesight.

### 3. Waist Level Finder

This finder is especially useful for candid photography and in situations which call for right-angle viewing. The folding hood opens for viewing and a magnifier flips into position for fine focusing.



## THE OPTIMUM XK

The advantages of electronic timing are far-reaching, and you will discover them in situations where handling speed and exposure accuracy are of the essence. This is when the XK is at its nimble best, and this is when you'll appreciate it most.

Displayed inside the finder are shutter speed scale, the aperture at which the lens is set, and appropriate indicators.

Also visible is the Light-Emitting Diode exposure warning signal which pulsates when exposure conditions fall below the meter's lower operating limits. The finder is unusually bright from corner to corner, and presents a complete, clear view of the subject area. Even most eyeglass wearers will be able to examine the entire field of view without averting their eyes.



For photographic effect, a thumb controlled Auto Exposure Override Control may be engaged. It varies settings when intentional under- or over-exposure is desired.

In addition to completely automatic operation, the Auto Electro Finder also allows you to set exposure by using the conventional match-needle. These speeds, too, are electronically controlled for exact timing.

A unique system is used to actuate the Auto Electro Finder's exposure control systems. Called Auto-Senswitch, the strip on the XK body responds to the touch of your hand, switching on the finder as soon you grasp the camera. An auxiliary switch, located on the finder, is used when the camera is not held.



The XK's automatic electronic exposure system is contained in the Auto Electro Finder. This is where the built-in Contrast Light Compensator meter with light sensitive CdS cells is located. Light is measured through-the-lens at full aperture.

Also built into this finder is the circuitry necessary to electronically time and release the shutter or stepless speeds from 4 seconds to an incredible 1/2000 of a second. Meter sensitivity ranges from EV1 to EV17. Special circuits calculate the influence of other critical factors and combine these with CLC light measurement. This exposure information is held in the finder's electronic IC memory. During the actual instant of exposure, the memory releases the precise current required, timing shutter electronically. The entire process takes place in a fraction of a millisecond allowing pinpoint correctness and continual change of exposure inputs, right up to the instant the mirror snaps up and the exposure is made.



## INTERCHANGEABLE FOCUSING SCREENS

For use with the XK, Minolta offers nine different focusing screens. This choice satisfies varying personal preferences for general photography in addition to offering solutions to more difficult focusing tasks. Ultra-bright screens, for example, can be selected when using long telephoto lenses. The standard screen normally supplied with XK finders permits quick and accurate split-image focusing.



## ROKKOR-X LENSES: 16 TO 1600 MILLIMETERS

All 25 Rokkor-X Lenses are pure Minolta from beginning to end.

All the glass that goes into each Rokkor-X is made from a highly classified Minolta formula. And all Rokkor-X are treated with Minolta's exclusive Achromatic Coating.

The complete collection of Rokkor-X Lenses provides the accomplished photographer with an impressive number of alternative viewpoints.

For maximum aperture viewing, automatic diaphragm operation is featured on 22 meter coupling lenses.

Of seven wideangle lenses, the 16mm fisheye Rokkor-X is fast at F2.8 and does not vignette your subject. There is a bellows Rokkor-X and two Macros. Two Rokkor-X Zooms have smooth, one-hand Zooming and focusing. And of the ten remaining telephoto lenses, two are of the relatively compact mirror-reflex configuration—the 800mm and 1600mm Rokkor-X's.

Extending total, unhampered creative control, the Rokkor-X range of lenses is comprehensive and complete.



## THE MINOLTA XK SYSTEM

The XK has more than 150 accessories to back it up.

In the close-up category Minolta offers two bellows attachments. The Auto Bellows I allows automatic diaphragm operation. Both accept a macro stand plus a slide and strip-film copier. Also available are meter coupled extension tubes, various viewing and focusing aids, a microscope adapter, copy stand, and all manner of close-up equipment.

Close-up photography with the XK is now easier than ever as the camera automatically produces precise electronic exposure.

Versatility and automation are the standout features of two Minolta electronic flash units, the Auto-Electroflash 450 and 200.

Both units automatically adjust flash duration according to all conditions as needed. Special thyristor circuits regulate power to emit the lowest possible charge necessary for the flash burst required. Often this can result in a shorter recycling time and longer battery life. And both have an adjustment allowing you to use a variety of lens aperture—from F2.8 to F11 or from F4 to F11.

The powerful bracket-mount unit has a guide number of 45 at ASA 100. The compact flash is cordless and attaches to the XK via a "hot shoe" adapter. This unit has a guide number of 20.

Still more accessories are available from Minolta. There's a full complement of Minolta filters for example. And such items as a panorama head and cable release. In fact, the extent of the Minolta XK System is virtually as great as your own imagination.



## SPECIFICATIONS

**Type:** Interchangeable-finder-type 35mm single-lens-reflex with electronic focal-plane shutter; Auto Electro Finder equipped as optimum form

**Standard Lenses:** MC Rokkor-X 50mm F1.7, 50mm F1.4, or 58mm F1.2; Full-aperture metering with Minolta SLR bayonet mount

**Shutter:** Electronically controlled; titanium curtains with electronic speeds from 16 to 1/2000 sec. in steps or from 4 to 1/2000 sec. stepless. Mechanical speed at X (1/100) and "B"; two 1.5v silver-oxide batteries as power source

**Viewfinder:** Interchangeable type, together with 9 interchangeable focusing screens, with split-image (Type P) as standard

**Film Advance:** Lever type, with 110° winding angle after 20° unengaged; multiple exposures possible; locks in case of battery failure

**Self-Timer:** From 6 to 10 sec.

**Flash Sync:** 1/100 sec. and longer for electronic flash; single terminal with X/FP switch

**Auto Electro Finder:** Through-the-lens full-aperture CLC metering with stop-down metering capability; aperture-priority-type automatic or match-needle or full-manual exposure control

**Visible in Finder:** F-number, shutter-speed, LED exposure warning signal; from EV1 to 17 measuring (e.g., 1 sec. at F1.4 to 1/2000 sec. at F8 with F1.2 Rokkor-X)

**Over-all Dimensions:** 109.5mm x 48mm x 147.5 mm (4 3/8" x 1 7/8" x 6")

**Weight:** 895g (31 1/2 oz.), without lens

(Specifications subject to change without notice.)

## MINOLTA XK UNPRECEDENTED AND UNAPPROACHED IN ALL OF PHOTOGRAPHY

Electronic photography is what the Minolta XK is all about. It presents accomplished amateur and professional photographers with an uncommon combination: Automatic exposure, electronically-timed shutter, and interchangeable finders all in one incomparable 35mm SLR.

The XK is clearly a substantial departure from what has gone before. Yet it does not forsake its own heritage. The smooth, fast feel so typical of

Minolta cameras remains. And the XK is competitive with every Rokkor Lens ever made. All accessories for Minolta SLR cameras will also fit the XK. And new Rokkor-X Lenses and accessories have been developed together with the camera creating a back-up system that goes on and on.

Photography with the XK is a completely different experience. Examine the camera thoroughly and see if you don't agree.



## XK usa brochure, 1975

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A Web Project by:  
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Camera Operation Manual in HTML format:

<http://www.mir.com.my/rb/photography/hardwares/classics/minoltaxk/index.htm>