

# Minolta-35

Model E



INSTRUCTIONS  
FOR USING

## CHIYODA'S PRODUCTS

Minolta-35 for 35 mm. film

Minolta-Memo for 35 mm. film

Minolta-Flex for No. 120 film

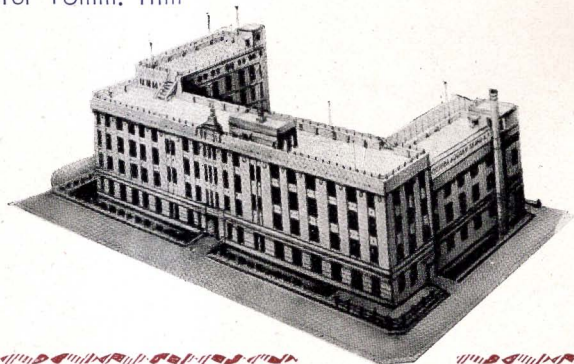
Minolta-Semi for No. 120 film

Konan-16 Automat for 16mm. film

Lenses

Shutters

Optical Glasses



## DIRECTIONS FOR USING YOUR MINOLTA-35

Welcome to the family of 35 mm. camera photographers.

Make your MINOLTA-35 a constant companion, learn to use it well, treat it like a friend, and it will give years of faithful service. It will record faithfully forever the thrills you experience to-day—recalling memories of days long past eventually.

### OBSERVE THESE UNIQUE FEATURES:

- Built-in Self-Timing Device
- Built-in Flash Synchronization
- The Superb ROKKOR Lens
- Compactness and Smooth Operation
- Ease of Film Loading
- Coupled Range-finder and Viewer
- Automatic film Advance control
- Double exposure preventive control
- Depth of Field Indicator

## KNOW YOUR CAMERA

**CAPACITY:** Picture size 24 x 34.5mm.

36 exposures on Standard 35mm. film

**STANDARD LENS:** Interchangeable Standard Lens SUPER ROKKOR 1 : 2.8 45mm. is an ultra-sharp lens designed for general purpose—perfectly corrected for all optical aberration, and fully coated on all glass-to-air surfaces, to insure crisp, sparkling negatives capable of maximum enlargement and is highly recommended for color photography as well as for Black-and-White. It is mounted to focus without pulling out the lens tube.

**COUPLED RANGE-FINDER AND VIEWER:** Enables quick automatic focusing with utmost ease. One common eye-piece for Range and View-Finder is adjustable for far-sighted users.

**SHUTTER:** Focal Plane Shutter operates at T.B. 1 1/2 1/4 1/8 1/25 1/35 1/50 1/100 1/200 1/500 second.

**SELF-TIMER:** Built-in Self-Timing Device enables you to take photos of yourself without asking the aid of another person.

**FLASH SYNCHRONIZER:** Flash bulb works simultaneously with the shutter by means of connecting battery case of Minolta Flash Unit to the contact-maker built-in the camera.

**AUTOMATIC FILM WINDING:** Film is advanced by one frame, and the number of the exposure is indicated on the dial, as the shutter is wound, all in one turn of the knob. Double exposures are not possible.

**EASY FILM LOADING:** Hinged back of camera body is most convenient for loading film and dusting the interior.

**INTERCHANGEABLE LENSES:** (Coupled to range-finder)

Super Rokkor Coated F2.8 85mm.

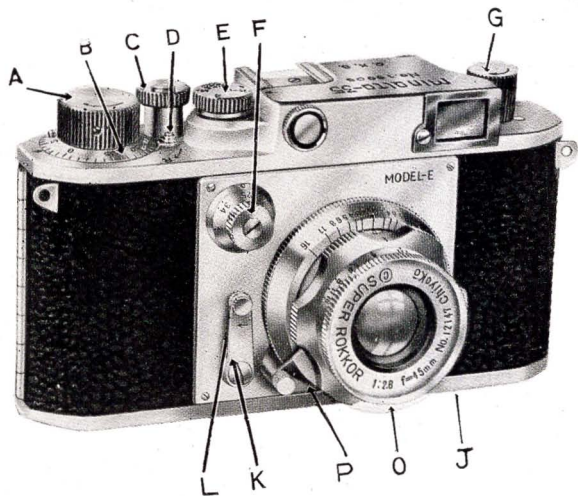
Tele Rokkor Coated F5.6 110mm.

Tele Rokkor Coated F4 135mm.

**SIZE:** Compact  $31 \times 75 \times 135$ mm. ( $1\frac{1}{4} \times 2\frac{7}{8} \times 5\frac{3}{8}$ )—800grm (28ounces) Weight

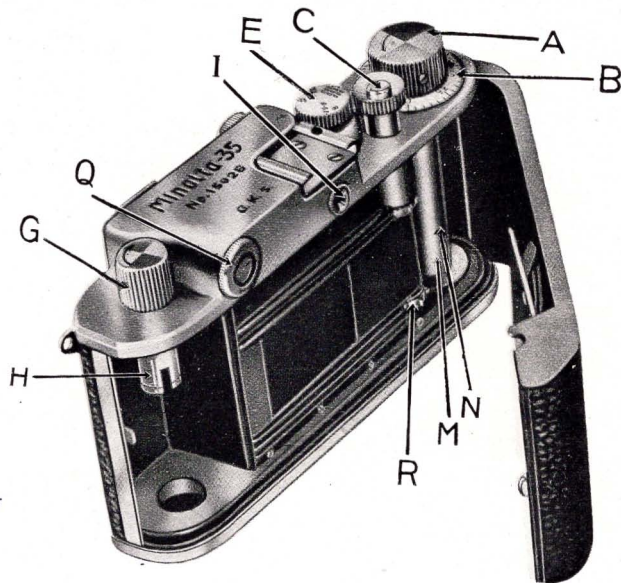
**BODY:** Attractive, sturdy, die-cast, light metal alloy, is covered with leather to produce a beautiful camera body with satin chrome trimming.





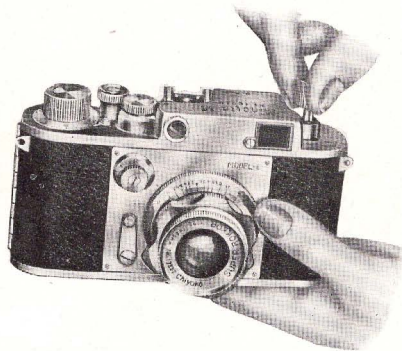
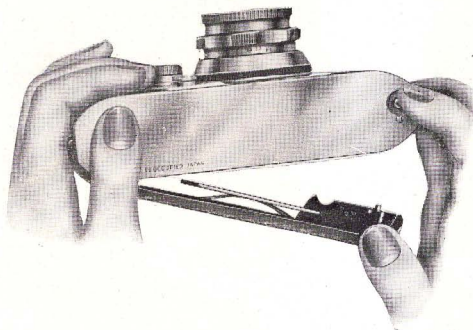
- A. Winding Knob
- B. Counter Dial
- C. Release Button
- D. Rewind Lever
- E. Rapid Shutter Dial
- F. Slow Shutter Dial
- G. Rewind Knob
- H. Rewind Shaft
- I. Terminal for Flash  
Synchronizer
- J. Lock Button

- K. Self-timer Lever
- L. Starting Button for  
Self-timer
- M. Take-up Spool
- N. Spring Clip
- O. Iris Stop Ring
- P. Focusing Ring
- Q. Full-view Range Finder
- R. Sprocket Gear



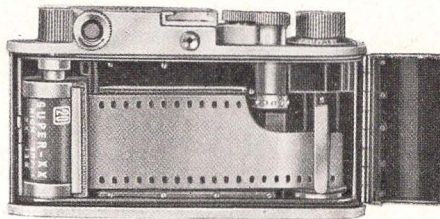
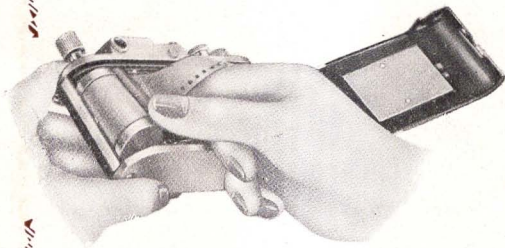
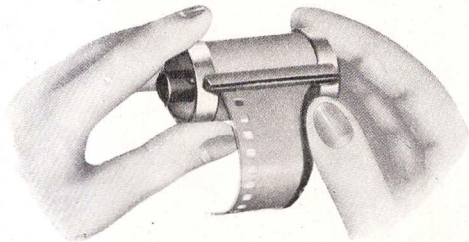
## LOADING FILM

1. Turn the REWIND LEVER (D) to the position marked "R".
2. Open the camera by pressing the LOCK BUTTON (J).
3. Pull out the REWIND KNOB (G) until it stops.
4. Put the film cassette in the camera, and engage the REWIND SHAFT (H) into the cassette, replacing the REWIND KNOB.





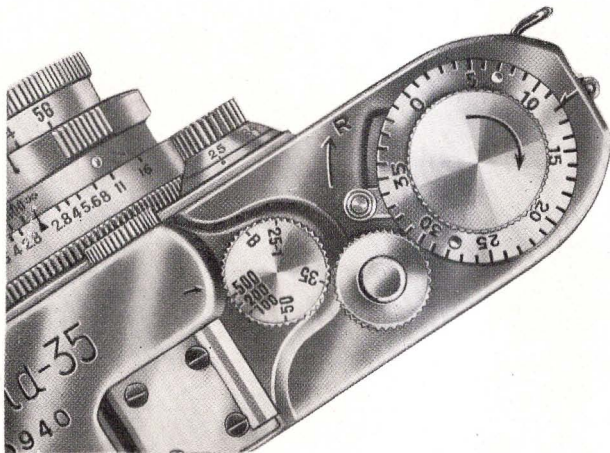
5. Turn the WINDING KNOB (A) and arrange the TAKE-UP SPOOL (M), so that the SPRING CLIP (N) is in a position ready to receive the end of film.
6. Pull out the film about 4 inches, and bend its end about half an inch, making a hook, emulsion surface outside.
7. Insert the hook of film into the Spring Clip (N), and give one complete turn to the TAKE-UP SPOOL (M) so that the film is securely fastened.



8. Close the camera, pushing the back cover to its original position until it is locked.
9. Replace the REWIND LEVER (D) to the original position.
10. Turn the WINDING KNOB (A) in clock-wise direction until it stops (do not force,) and press the RELEASE BUTTON (C). Then, give one more turn to the WINDING

KNOB and press the RELEASE BUTTON once again.

11. Set the COUNTER DIAL (B) at figure "0", turning the dial in either direction with thumb and forefinger, the WINDING KNOB being kept unmoved.
12. The Camera is now ready to take pictures.



## CONTROLLING SHUTTER SPEED

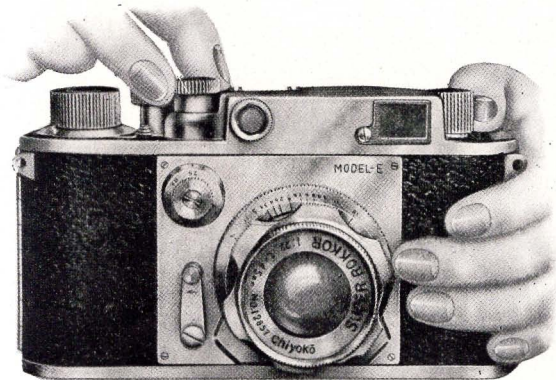
The speed of shutter (focal plane) is controlled by two dials ;  
Rapid Dial (E) and Slow Dial (F).

The RAPID DIAL (E) controls shutter speed from  $1/25$  to  $1/500$  second and B, or Bulb exposure. To operate it, lift the dial and turn it to bring the desired speed indication at the arrow marked on the camera body.

CAUTION: When the RAPID DIAL is used, be sure that the SLOW DIAL is set at "25".

Do not interfere the rotation of Dial with finger, while pressing the RELEASE BUTTON.

The SLOW DIAL (F) controls shutter speed from 1 to  $1/8$  second and T, or Time exposure. To operate it, set the RAPID DIAL (E) at "25", and then turn the SLOW DIAL, bringing the desired speed indication at the line marked on the base.



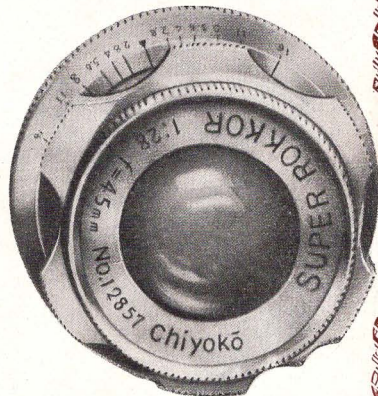
**CAUTION:** Unless the RAPID DIAL is set at "25", the SLOW DIAL will not operate.

When the SLOW DIAL is set at "T", the Shutter Release Button will act only for opening the shutter. To close it, turn the Dial a little. It must be remembered that both the RAPID DIAL and SLOW DIAL should always be set after winding up the focal plane shutter, which is done automatically as you turn the Winding Knob (A).

## FIXING LENS STOP

Iris Stop, or "f" Stop, is operated by turning the IRIS STOP RING (O). The desired "f" value will be seen on the helicoid body of lens.

**CAUTION:** Do not force the Ring beyond its limit of movement.





## FOCUSING

Minolta-35 is equipped with automatic focusing device, and there is no need of measuring the distance for bringing the subject into focus.

Just look through the FULL-VIEW RANGE, FINDER (Q), and you will find in the center, double image of the subject if it is out of focus. Turn the FOCUSING RING (P) in either direction untill the double images join into one. The subject is now on the focus of mechanical precision.

**CAUTION:** Do not force the FOCUSING RING at either end.

Turning the Eye-piece Ring to the left is adjustable for far-sighted users.





## DEPTH OF FIELD GUIDE

The "f" value marked on the washer-ring of lens body is the scale for judging the Depth of Field at each Lens Stop.

Depth of Field is definable as that distance between the nearest place and farthest place at which subject will be sharply defined in pictures. The larger the lens stop the shallower the Depth of Field, and the more critical focusing must be made on the principal subject. For example see diagram :

If the focus range of an objective is found to be 8 feet, and the lens stop is set at 8, the Depth of Field will range from 6 to 12 feet. That is, subject 6 to 12 feet from the camera will be in focus. With a lens stop of 16 the Depth of Field widens and subjects from 5 to 20 feet will be in focus.

## DEPTH OF FIELD TABLE FOR MINOLTA-35

Depth of Field figures in feet and inches for various lens openings and distance settings.

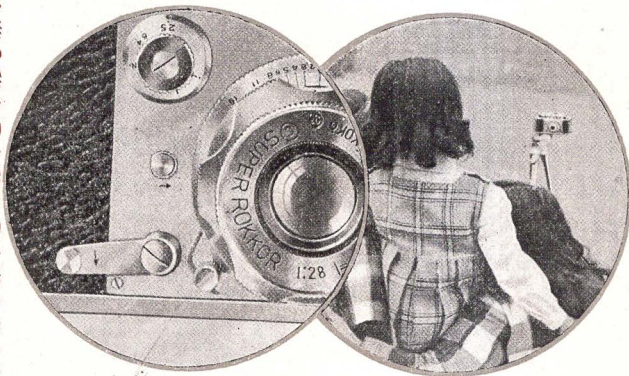
Infinity on the scale is marked ∞

Lens focused at feet	Lens stopped down to											
	f 2.8		f 4		f 5.6		f 8		f 11		F 16	
	From	To	From	To	From	To	From	To	From	To	From	To
∞	162'9"	∞	114'	∞	81'4"	∞	56'11"	∞	41'5"	∞	28'5"	∞
50'	38'5"	71'8"	34'11"	88'1"	31'2"	128'7"	26'11"	375'1"	22'7"	∞	18'5"	∞
20'	17'11"	22'8"	17'2"	24'1"	16'2"	26'3"	14'12"	30'3"	13'8"	37'6"	12'	62'4"
15'	13'10"	16'5"	13'4"	17'2"	12'9"	18'2"	12'	20'	11'2"	22'11"	10'	30'2"
10'	9'6"	10'7"	9'3"	10'10"	9'	11'3"	8'7"	11'11"	8'2"	12'10"	7'7"	14'10"
8'	7'8"	8'5"	7'6"	8'7"	7'4"	8'9"	7'1"	9'2"	6'10"	9'8"	6'5"	10'9"
6'	5'10"	6'2"	5'9"	6'4"	5'8"	6'5"	5'6"	6'7"	5'4"	6'10"	5'1"	7'4"
4'	3'11"	4'1"	3'10"	4'2"	3'10"	4'2"	3'9"	4'3"	3'9"	4'4"	3'7"	4'6"

## EXPOSING

The shutter is released by means of pushing the RELEASE BUTTON (C).

Proper care has to be taken for pushing the button, lest the camera should shake during exposure. Flexible wire release can be screwed on the button, by removing the cover of button.

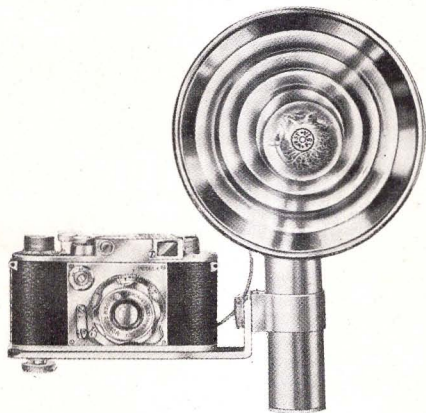


### SELF-TIMING DEVICE:

When automatic release of the shutter is desired, turn the Self-Timing Lever (K) to the left until it stops and push the STARTING BUTTON (L) behind it to the right. Then the shutter will be off automatically after about 10 seconds.

## FLASH SYNCHRONIZATION :

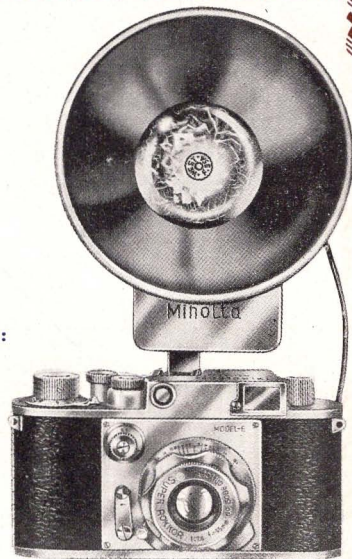
When using the Minolta Flash Unit Ub or B. C. B. attach one end of electric cord to the Flash Synchronizer (1). The flash lamp and shutter works in perfect synchronization.



## EXPOSURE GUIDE :

Excellent exposure guides are normally inclosed with roll film. Observe these closely for best results.

Use of a reliable exposure meter will insure superior pictures regularly.



Thus, you go on snapping, picture after picture turning the Winding Knob, setting the Shutter Dial, fixing Lens Stop, focusing and pressing the Shutter Release. At each winding of film, the COUNTER DIAL (B) will record the number of pictures exposed. It will work up to 36 pictures when the maximum length of film is loaded in the cassette.

## REWINDING AND UNLOADING FILMS

1. Turn the Rewind Lever (D) to the position marked "R".
2. Pull out the Rewind Knob (G) until it stops, and turn it until the entire film is rewound into the cassette.
3. Open the back cover, and take off the cassette.



## ACCESSORIES FOR MINOLTA-35

### INTERCHANGEABLE LENSES

Standard Super Rokkor Coated	F 2.8	45 mm.
Super Rokkor Coated	F 2.8	85 mm.
Tele Rokkor Coated	F 5.6	110 mm.
Tele Rokkor Coated	F 4	135 mm.

### LENS SHADE

The Lens Shade is screwed on the lens mount. It is needed for exposures against the light.

**FILTER** Three colors a set in celuloid case.

### FLASH UNIT

Minolta Flash Unit Type Ub.....4 penlites used.

Minolta B. C. B.....22.5 V Battery and condensor used.



## EACH TAKEN WITH THE MINOLTA-35

### SUPER ROKKOR

F 2.8 45mm

Weight 5 ounces

Length 1.5 inches

### SUPER ROKKOR

F 2.8 85mm

Weight 13 ounces

Length 3 inches

### TELE ROKKOR

F5.6 110mm

Weight 9 ounces

Length 3 inches

### TELE ROKKOR

F 4 135mm

Weight 18 ounces

Length 4 inches

# Rokkor Lens Series





New golf-link at Karuizawa

Taken by Mr. T. Iwahara

Made with Super Rokkor Lens F2.8 f-85mm

Exposure at 6.30 a. m. on May, 21st, 1950, was 1/50 sec. at f8.

The PlusX film was developed in DK-20



## CONVENIENT EXPOSURES LIST

Season: Spring or Autumn.  
Iris Dial: F 8

Weather: Fine  
Film used: Panchro Film.

SUBJECT	TIME	6—6	7—5	8—4	9—3	10—2	11—1
Sea Shores, High Mountains		1/75	1/100	1/200	1/500	1/1000	1/1000
Distant Landscape		1/35	1/50	1/100	1/200	1/200	1/200
Ordinary Landscape		1/25	1/35	1/50	1/100	1/200	1/200
Bright Street Scene		1/4	1/8	1/25	1/50	1/100	1/100
Near Landscape		1/2	1/4	1/8	1/25	1/50	1/50
Light dark landscape, Portrait under eaves		1	1/2	1/4	1/8	1/8	1/8
Inner bright chamber, Portrait by window		3	2	1	1/2	1/4	1/4

**REMARKS:** Left side figures in the column of time denote A. M. while these at right side mean P. M.

Time of exposures other than mentioned in the above should be briefly as follows:-

About 2 times of the above under bright cloudy weather.

" 2 " in winter season.

" 1/2 " in summer season.

or can be adjusted by regulating iris dial at the following ratio:-

F	3.5	4	5.6	(8)	11	16	
Ratio	1/5	1/4	1/2	1	2	4	times





CHIYODA KOGAKU SEIKO K.K.