www.orphancameras.com

Model P

owner's manual



Minolta-16

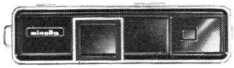
www.orphancameras.com

The MINOLTA-16 P is a very small camera. It is about the size of a pack of cigarette and can be carried around in your pocket or handbag. It is a handy camera that can be taken anywhere and be ready in an instant to take the picture you want.

The MINOLTA-16 P can be used for taking not only black and white pictures but also for color slides. It can be used in the sunny outdoors or indoors under varying light conditions. It is the camera for everybody, at work, fishing, hunting on the campus or just to liven up the party.

Before you start taking pictures, please read to the end of this little guide. It will take only a short time but it will give you a number of hints...

www.orphancameras.com



Contents

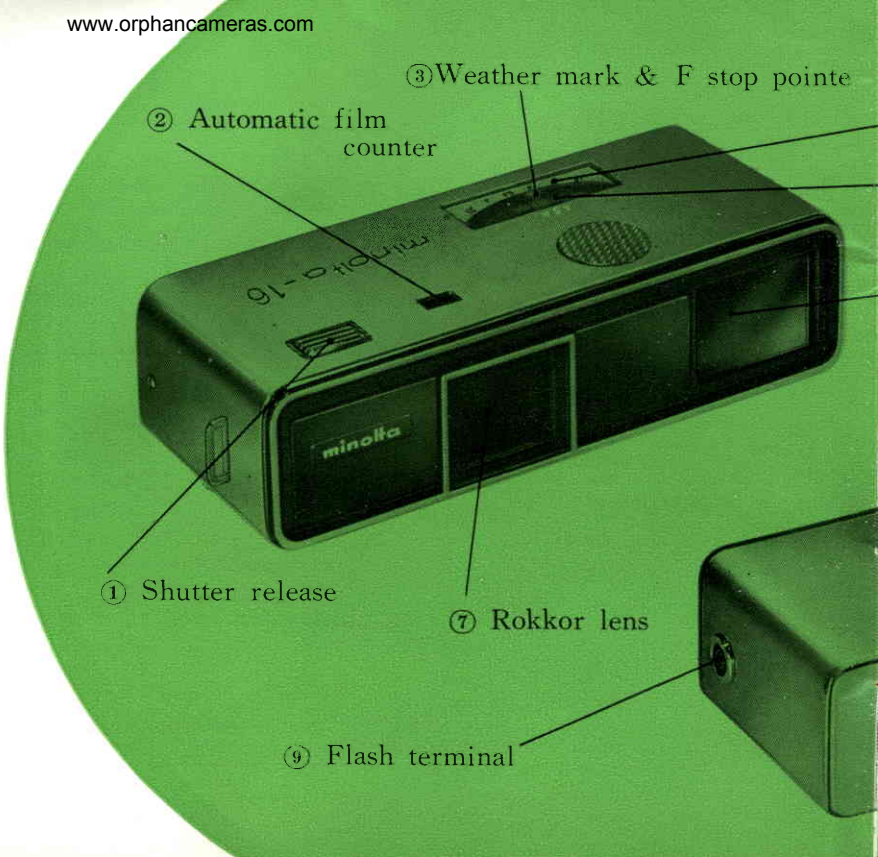
Major parts of MINOLTA 16-P with name	P. 3 & 4
Step before shooting	〃 5 & 6
Now, you are ready start shooting	〃 7
What to do after taking 20 pictures	〃 8
For color slides	〃 9 &10
How to load your own bulk film into MINOLTA 16-P magazine if you want	〃 11&12
Additional hints for advanced photographers	〃 13&14
Flash photograph	〃 15
Other accessories and other famous MINOLTA cameras	〃 16
A picture taken by MINOLTA 16-P	〃 17

www.orphancameras.com

The Camera



Your MINOLTA-16 P is very simple to use. The most important thing, however, is to be familiar with the various parts of your camera.



www.orphancameras.com

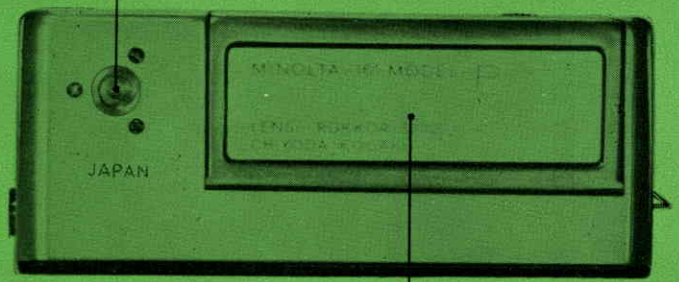
④ F stop dial

⑤ Film speed dial

⑥ Life-size view finder

⑧ Film speed setting

⑮ Tripod socket.



⑭ Back cover



⑬ Film winder

⑫Back cover lock

⑪ Exposure setting

⑩Viewfinder eyepiece

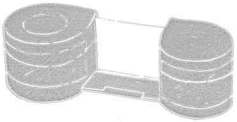
www.orphancameras.com

Steps before shooting

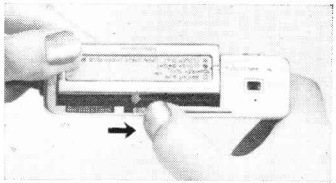


Now that we are familiar with the parts of the camera, let us go to the next stage.

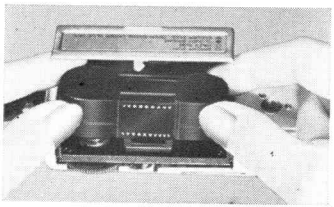
1. Loading the camera



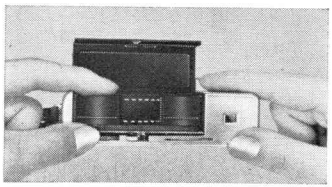
This is the film cassette (it protects the film before and after and during photography. Films for the MINOLTA-16 P are cased in its own film cassette).



Depress clasp (12) in direction of arrow so that cover can be opened all the way.



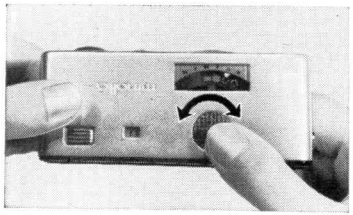
Drop into film magazine. It is advisable to do this in the shade.



(Note) When the cover of the film cassette does not fit in right, it is a sign that it is not in flat. Turn the F. winder (13) while pressing the film cassette slightly, the nthe cassette will fall into place.
Close film door.

www.orphancameras.com

2. Set the film speed indicator dial.



Turn the film speed indicator dial by turning the disk with the thumb, and set the film speed index number to the small window. (5)
The film speed index number (ASA or DIN) are given on the film box or the instruction sheet which comes with each roll of film.
Once this number is set, you do not need to touch this dial as long as you use the same type of film.

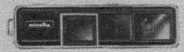
3. Advance film until you see 20



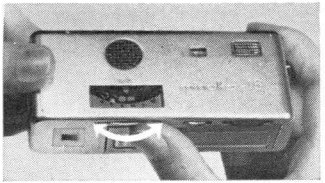
After loading the camera and closing the film cassette cover, you will note a S mark in the film counter window. (in O mark).
Turn film winder (13) until it stops and press on shutter release (1). Repeat them and the figure "20" will appear in the window. This means that you can now take 20 shots. The number appearing in the window such as 19-18 etc., means that you have that many shots left in your film.

www.orphancameras.com

Now, you are ready to start shooting.



1. How to get good pictures



Adjusting exposure is very easy with your MINOLTA-16 P. Weather marks are easy to understand. Adjust exposure to the weather conditions by Exposure setting dial (11). The figures of 3.5, 4, 5.6, 8, 11 and 16 indicate the aperture (f) opening.

Weather marking are as follows: bright sun, hazy sun, cloudy bright, cloudy dull (open shade under blue sky).

2. Releasing the shutter release.

Pictures can be taken by viewing the object from the viewfinder and pressing on the shutter release at the right instant.



The lens used on the MINOLTA-16 P has great depth of field so there is no need to adjust focus each time a shot is taken. The sharpest shots can be obtained from a distance of about 5 meters (16feet). For close-up picture, refer to P. 13



www.orphancameras.com

What to do after taking 20 Pictures

When "O" is indicated in the film counter window, it means that all 20 shots have been taken. After taking the last picture, wind the dial until the mark "E" appears. Then, the film counter will not advance any more. Open film cassette magazine and remove film cassette. Wrap film in black paper.

Films for the MINOLTA-16 P

The following films are sold on the market as films especially made for the MINOLTA-16P.

Black and white fims:

Kodak Tri-X	ASA 200
Kodak Plus-X	ASA 80
Kodak Panatonic X	ASA 25

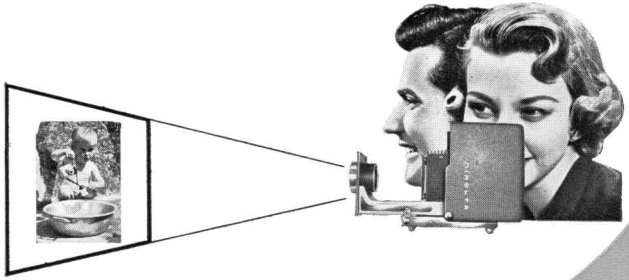
Color film:

Kodachrome Daylight	ASA 10
Ansco Chrome Daylight	ASA 32

www.orphancameras.com

For Color Slides

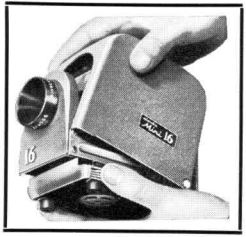
Your MINOLTA-16P will take excellent color slides. There are paper mount for Minolta-16 film which fits to standard 35 mm projector. In order to get maximum effects, use the MINOLTA Mini 16 Projector and you will have hours and hours of enjoyment with your family and friends.

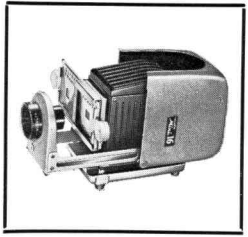


www.orphancameras.com

Minolta Mini 16 Projector





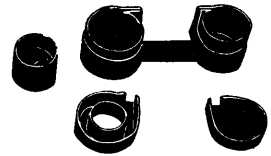


The Minolta Mini 16 Projector is a compact, light-weight projector of unique design. Like the tiny Minolta "16" which provides "big camera" performance in subminiature size, the Mini Projector is engineered to give "big projector" performance. It casts unusually brilliant on-screen images with its short focal-length f : 2.5 lens. Its projection rivals many 500 watt machines of much greater size. Complete with Carrier for Minolta 16 slides. In addition, accessory automatic slide-changers make the Minolta Mini Projector a versatile instrument for both amateur and professional.

www.orphancameras.com

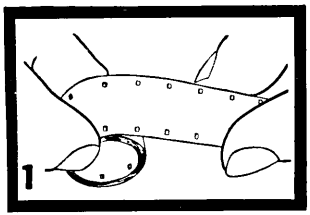
How to load your own bulk film into the Minolta "16" magazine

(if you so desire)

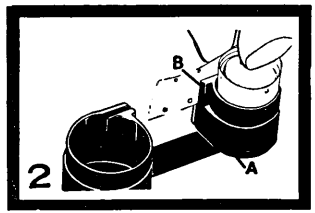


Before starting, arrange all parts of the magazine so that you can locate them in the dark. Also practice loading, with your eyes closed, until you know it to the last detail.

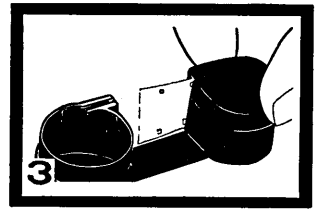
▶ IN TOTAL DARKNESS



1. Cut an 18" strip of film. Wind it into a small roll with the emulsion side in. Don't touch either side with your fingers.

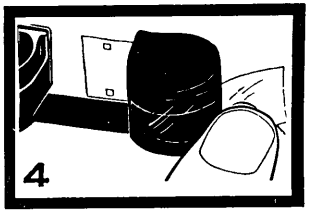


2. Place 18" film roll in smaller chamber of magazine (A), threading about an inch through slit (B) so that the end of the film protrudes.

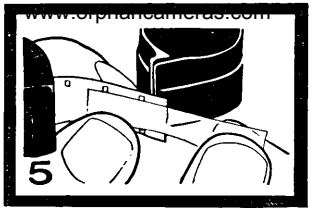


3. Put cover tightly over smaller chamber. At this point, it should look like this drawing:

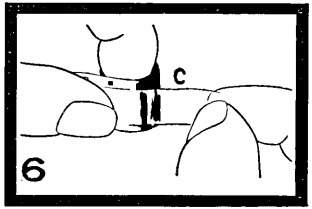
www.orphancameras.com



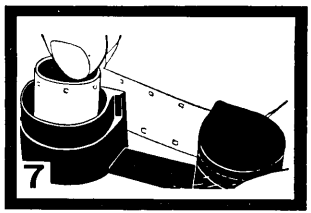
4. Secure cover to magazine with a piece of pressure sensitive tape.



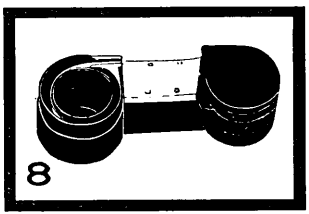
5. Stick a piece of pressure sensitive tape on film so that half of the adhesive part hangs off as above.



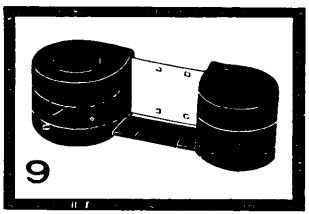
6. Hold film winding drum (C) on fore finger, like a thimble. Place it on a flat surface, line up with film and fix hanging end of tape.



7. Wind $1\frac{1}{2}$ times around drum-making sure it rolls straight, and place in larger chamber, threading through slit.

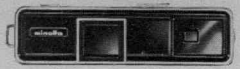


8. It should now look like this:



9. Fit remaining cap over large chamber and secure with pressure sensitive tape. Label magazine as to film type. If you do not immediately load into your camera, wrap the magazine in light-proof paper for storage.

www.orphancameras.com



Additional hints for advanced photographers

Close-up Lens



For close-ups, use special attachment.
No. 1 attachment is for close-ups from a distance 3 feet to 5 feet. (about 4 feet)
No. 2 attachment is for close-ups from a distance of 1.5-3.5 feet. (about 2.5 feet)
These attachments are useful in photographing small animals, machinery and books.



No. 1



No. 2



UV



Y 48

www.orphancameras.com

Minolta 16 Filters

The filters bring out truer tone and give you better looking picture.

(1) UV filter (Ultra-violet) for daylight photographs, to improve distant scenes by eliminating haze effects. It is recommend to keep this filter attached on the camera for preventing the dust gets into the lens.

(2) Yellow filter (Y48) for deeper sky tones, bring out cloud effects, and for better tonal rendition of bright outdoor scenes-particularly on sea, snow or sand.



WITH YELLOW FILTER



WITHOUT FILTER

How to attach Close-up Lens or Filter

The bayonet system is used on the MINOLTA cameras. Slip in filter as shown in illustrasion and turn in direction of arrow.



Minolta Color Filter

There are 3 filters in the unique pack, for giving better color balance to your color film.

(1) No. 80 A filter (Exposure 3.2x)
(2) No. 81 B filter (Exposoue 1.3x)
(3) No. 1A-skyight filter (Exposure 1.1x)

N. D Filter (Exposure 4x)

www.orphancameras.com

The 25mm F3.5 Rokkor lens have great focusing depth. The attached chart shows depth of these lenses.

Depth of Field Scale

Lens Opening	Without Closeup Lens	With No. 1 Close-up Lens	With No. 2 Close-up Lens
F 3.5	10.5 ft. to 37 ft.	3.5 ft. to 4.5 ft.	2.1 ft. to 2.5 ft.
F 4	10 ft. to 45.5 ft.	3.4 ft. to 4.6 ft.	2.1 ft. to 2.5 ft.
F 5.6	8.7 ft. to 158 ft.	3.3 ft. to 5 ft.	2 ft. to 2.6 ft.
F 8	7.3 ft. to ∞	3 ft. to 5.6 ft.	2 ft. to 2.7 ft.
F 11	6 ft. to ∞	2.8 ft. to 6.6 ft.	1.9 ft. to 3 ft.
F 16	4.7 ft. to ∞	2.5 ft. to 9.7 ft.	1.7 ft. to 3.4 ft.

Flash Photography for your Minolta 16-P Camera

Follow this table when using AG-1, AG-1B, M-2 and M-2B Flash Bulbs.

Film	ASA	Bulb	Distance & Lens Setting			
B/W	80	AG-1 or M-2	4 Ft.	6 Ft.	8 Ft.	10 Ft.
			F/8	F/5.6	F/4	F/3.5
Color	32	AG-1B or M-2B	5 to 7 Feet set at F/3.5			

For greater dstances use SM or F type Flash Bulbs and follow instructions on the bulb package.

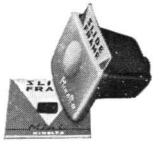
Your Minolta 16-P is also synchronized for Electronic Flash Photography.

www.orphancameras.com

Other accessories



For enlargements: MINOLTA Mini Enlarger



Use the MINOLTA Viewer for your color slides.

Other famous Minolta cameras



MINOLTA SR-1

A new high in practical automation for single lens reflex cameras; complete auto-pre-set diaphragm; focal plane shutter B, 1~1/500 sec.; f : 1.8 standard 55mm lens; Rokkor interchangeable lenses.



MINOLTA AUTOCORD

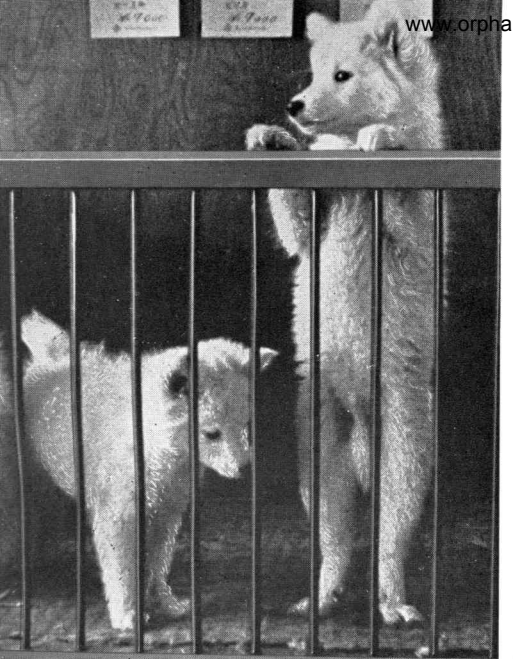
Fully automatic, film advance and shutter cocking....4-element Rokkor coated f : 3.5, 75 mm lens and matching f : 3.2 viewing lens....shutter speeds from one sec. to 1/500 and bulb...one-hand operation with helicoid focusing from 3.3 ft. to infinity....direct reading light value scale.



MINOLTA AL

Built-in electric brain camera with fast super-high speed shutter. Coated Rokkor PF 45mm f 2 lens. Accurate citizen shutter MLT B, 1 sec to 1/1000. Coupled ex-posure meter mechanism assure you the best result at any time.

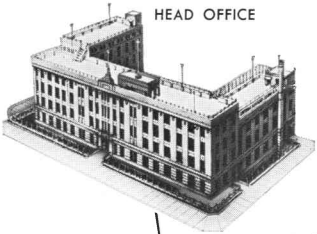
www.orphancameras.com

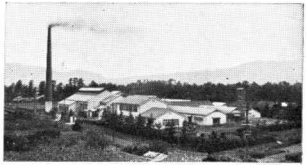




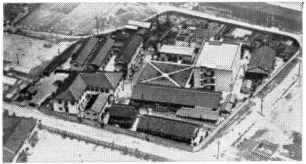
MINOLTA CAMERA CO., LTD.
OSAKA, JAPAN

www.orphancameras.com





ITAMI FACTORY



SAKAI FACTORY



TOYOKAWA FACTORY