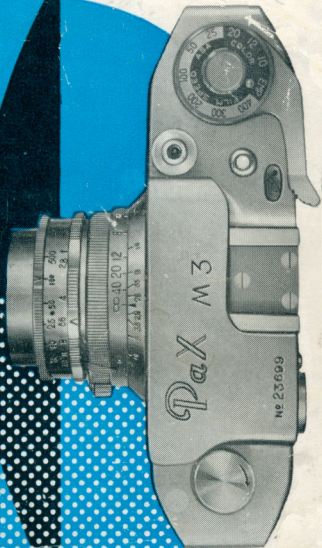
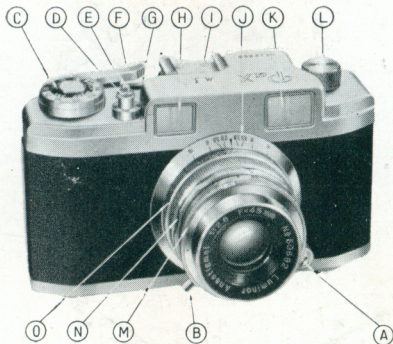


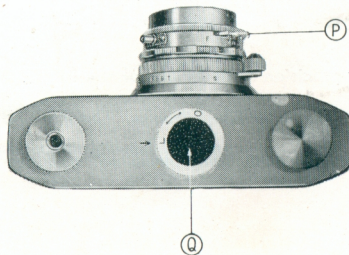
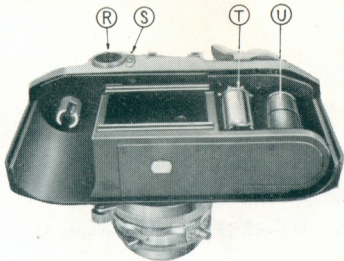
Instructions for Using

**Pax-M3**



- Ⓐ Focusing lever
- Ⓑ Flash terminal
- Ⓒ Film type indicating dial
- Ⓓ Release button
- Ⓔ Rewinding button
- Ⓕ Film winding lever
- Ⓖ Exposure counter
- Ⓗ Right window of finder
- Ⓘ Clip for accessories
- Ⓙ Depth of field scale
- Ⓚ Left window of finder
- Ⓛ Rewinding knob





- Ⓜ Shutter speed setting dial
- Ⓝ Lens opening dial
- Ⓞ Distance scale
- Ⓟ F-X synchro selection lever
- Ⓠ Locking lever
- Ⓡ Eyepiece
- Ⓢ Cover of screws for adjusting range-finder
- Ⓣ Sprocket wheel
- Ⓤ Film take-up spool



## General Introduction of Pax-M3

Simple to Use !

Remarkable Results !

● The Pax-M3 is the outstandingly smallest, finest, lightest, and most compact camera in its field.

It is precision made by one of the foremost manufacturers of modern cameras. The Pax-M3 offers you all that you desire in a 35mm camera.

● It is easy to carry, simple to operate and beautiful to see. The results you can obtain with it are surprising and with proper care it will bring you happiness and joy for many years. All controls are simple to operate, yet the camera has such versatility as will meet the requirements of exacting photographers.

● The most important part of a camera is its lens. The Pax-M3 lens is the coated "Luminor"  $f: 2.8$   $F: 45$  mm which has excellent depth of focus, unequalled brilliant definition, and is highly color corrected. When using color film you will be convinced of its exceptional quality.

● The Pax-M3 is equipped with a coupled combined view-and range-finder making it easy and speedy to focus and compose the subject. With every picture you can be certain of exact focusing.

● Ingeniously designed with single thumb-stroke film winding and shutter cocking mechanism which helps your fast sequence shooting and prevents your picture from the danger of double exposure.

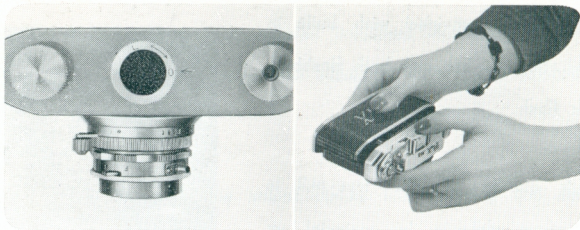
● The exposure counter with an easily readable scale under a built-in magnifier automatically records every exposure, and reverts to its zero position when the back of camera is opened for film reloading.

● Your Pax-M3 is provided with built in F-X synchronization for use with both flashbulb and electronic flash.

● The high quality of the Pax-M3 is guaranteed against defects in material or workmanship for one year from date of purchase.

● Before loading the camera with film, read the following instructions carefully.



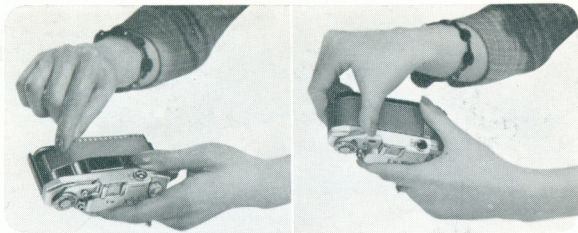


## How to Use Pax-M3

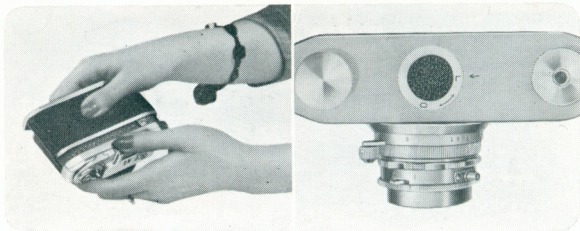
### I. Loading the Camera

(Do not load film in direct sunlight)

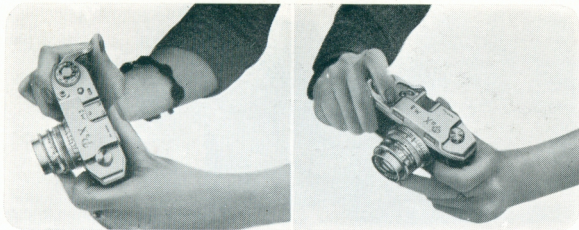
1) To open the camera, turn the lock lever (Q) on the bottom of the camera from "L" (lock) to "O" (open) in the direction of arrow, and slide the back of camera slowly towards the bottom for about one inch. Then slide camera back off of body.



- 2) Pax-M3 takes standard 35mm film. Place the loaded film cartridge, in the film chamber. Pull out the film leader about 4 inches from cartridge, towards the film take-up spool (U) at opposite side. Insert the leader into slit in film take-up spool.
- 3) Turn the film winding lever (F) slightly until both sides of the sprocket wheel securely engage the perforations in the film margin. Then, complete a full turn of the winding lever, watching to see that the film is being wound properly. Release the shutter.

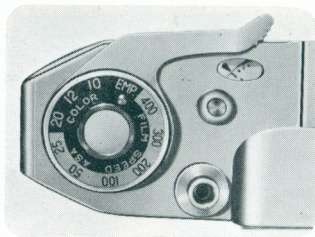


4) Slide the back of camera into its former place with a slight downward pressure of the right thumb. The camera back is now securely in place. Next, turn the lock lever on the bottom from "O" to "L".

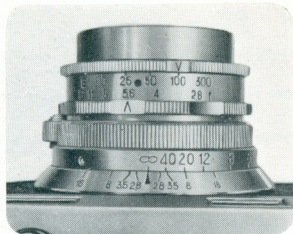


5) Turn the winding lever until it stops and release the shutter.

Repeat these operations once more. Now, the film counter indicates "1" and you are ready to snap your first picture.



6) As a film reminder, set the film type indicating dial (C) with red dot according to the type of film you are using.



## II. Taking pictures

### 1) Determination of shutter speed and lens opening :

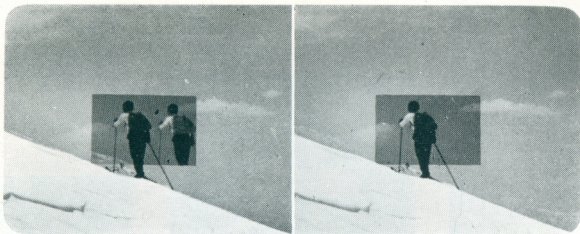
In taking picture, correct shutter speed and lens opening are critical factors of your result. Compute them correctly. After determining these factors, move the shutter speed dial (M) to proper setting and set lens at collect lens opening (N). Your Pax-M3 permits these operations to be possible at all times, either before or after cocking the shutter.

## 2) Focusing with view-and range-finder:

Place your right eye at the view-and range-finder eyepiece (R), and aim at the subject. In the center of the field of the finder, you will see a rectangular area in which there is a double image of the subject. By moving the focusing lever (A) with index finger of the left hand the two images can be made to merge into one.

The lens is now in perfect focus.

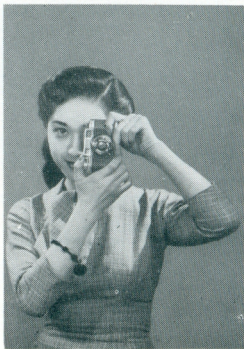




3) Holding the camera and releasing the shutter:

a) The Pax-M3 should be held firmly, but not rigidly in both hands. Care should be taken to prevent movement of the camera while pressing the release button. Press elbow to body for added support.

b) Push the shutter release button using steady even pressure with your index finger, when you capture desired composition and figure of the subject.



## Caution :

- (1) Never store camera for any length of time with the shutter cocked.
- (2) Be sure to take off the lens cap before taking your picture.
- (3) When taking picture be sure camera case or flash cord does not cross over the lens.
- (4) In carrying the camera with eveready case, be sure to fasten the case to the camera with the screw nut attached.



### III. Removing the Exposed Film

After entire roll of film has been exposed, the film winding knob will not turn further. Do not force it beyond this point. Now the film must be rewound into original cartridge from the take-up spool.

Press the rewinding button (E) and pull up the rewinding knob (L). Turn the rewinding knob until entire film has been completely rewound into the cartridge. Then open the camera back and take out the cartridge for development. (Note : Film exposure counter will automatically return to Zero when yon open back of camera.)

# SMALL ACCESSORIES

## 1. Filter

Your Pax-M3 lens will give you pictures of excellent sharpness: But the mood of picture can often be improved by using filters. The Ultra-Violet filter absorbs ultra-violet rays and makes your pictures clear in both color and black-and-white picture. It is also protects your camera lens.

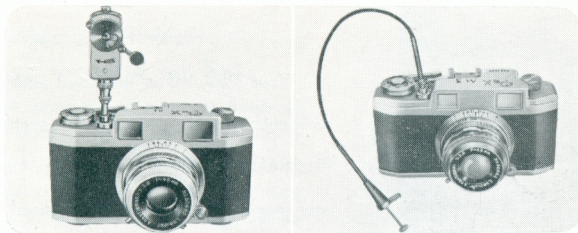




Yellow filters help to bring out the clouds and are a "must" for snow scenes and scenes at the sea shore.

Green filters lighten red color and will bring out greens in landscapes.

They are also recommended for out-door portraits.



## Lens Hood

Lens hood is valuable lens accessory and should be used whenever possible.

It prevents stray light from entering the lens and gives pictures that crisp look.

The Pax-M3 is designed to use a selftimer on the top of shutter release button.

The shutter release cable is also screwed onto the same part.



## Flash Photography

Your Pax-M3 is equipped with built-in F-X synchronization to meet almost every purpose. Flash photography is, under many condition, the only way in which natural, unposed pictures can be made. For indoor sports, such as basket ball, boxing, wrestling, ect. sychro. flash photography is ideal.

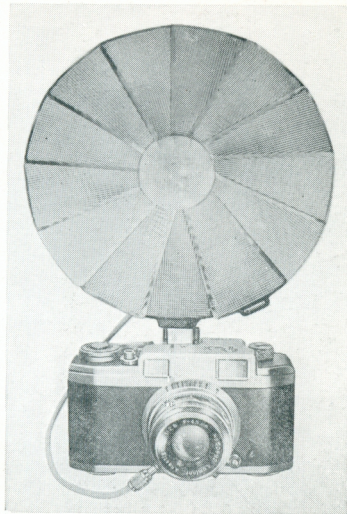
It is also suited for photographing the baby, children, and animals, catching their unpredictable activities, protecting them against uncomfortable heat and glare of photofloods.

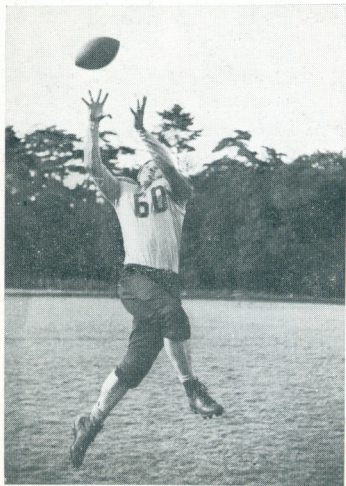
## Flash synchro with Flash Bulb

### Calculating exposure for flash

Determining correct exposure for flash is very simple. With a given flash bulb and a given film speed, the distance in feet (from subject to flash) multiplied by the stop number equals a constant factor. This factor system has been worked by the manufacturers of flash bulbs, who in their exposure guides provide factor number (usually referred to as Guide Number) of all bulbs.

As an example of how it works, let us assume that you have decided to use a flash-bulb with a Guide Number of 80 and placed your camera 10 (the distance in feet) into 80 (the Guide Number) you get 8 (or  $f/8$ ), the correct lens opening to use.





## Selecting Flashbulbs for you Pax-M3

There are three general classes of flashbulbs, F (Fast) class, M (Medium) class and F.P. (Focal Plane) class.

The Pax-M3 camera has been designed to use F class bulb. With these bulbs (such as No. SS or SW) it is possible to take flash pictures at all shutter speeds. Use of M class bulbs with the Pax-M3 is all possible.

However, when using M bulbs (such as Press No. 5 or Press No. 25) flash pictures should only be made at  $1/10$  or  $1/25$  of a second.

F.P. bulbs (such as No. 6 or No. 22) are designed for use with Focal Plane Shutter Cameras, and are not recommended for use with the Pax-M3

## Step by step procedure for flash pictures with flash bulbs.

- Set F-X synchro selection lever at "F" setting.
- Focus Pax-M3 on subject with range-finder.
- Read off the distance to the subject.
- Set shutter speed.
- Calculate the lens stop using the flashbulb Guide Number and set the lens.
- Insert flashbulb and take the picture.

### To avoid misfire

- (1) Batteries should always be fresh and when not in use, removed from flash-gun.
- (2) The socket of flashgun and flashbulb bases must be clean to prevent oxidization.



## Technical Details of Pax-M3

Lens : "LUMINOR" Anastigmat,  
f : 2.8 F : 45mm Coated  
and Color Corrected.

Shutter : Speed 1/10, 1/25, 1/50,  
1/100, 1/300, W/B.  
Automatic Shutter Cocking.  
F-X Flash Synchronization.

Focusing : Helical Type.  
Coupled Combined View and  
Range-Finder.

Picture Size : 24 mm × 36 mm

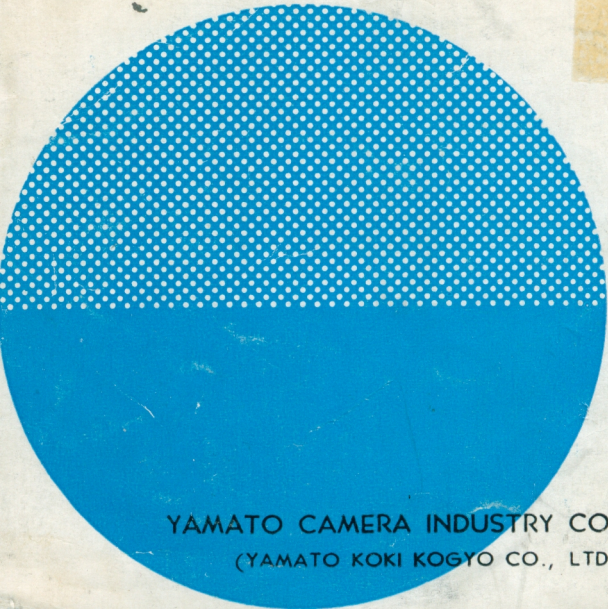
Dimensions : 3"  $\frac{3}{8}$  long and 2"  $\frac{11}{16}$  high,  
1.06 lbs. in weight.

### How to adjust the range-finder

When you find anything wrong with the range-finder, put the distance lever on the mark of infinity ( $\infty$ ) and take off the cover of screws for adjusting rangefinder (S). You can then see two screws inside.

Turn those adjusting screws slightly with a small screw driver so as to make the image to merge into one completely.





YAMATO CAMERA INDUSTRY CO., LTD.  
(YAMATO KOKI KOGYO CO., LTD.)

