



KIEV – 17 Translated via Google from Russian manual

The camera you purchase may differ slightly in appearance from the photos in this manual, as its appearance and performance are continuously improved during the production process.

Produced by order of the production association "Arsenal Plant".

The Kyiv-17 is a small-format SLR camera of high quality. Designed for amateur photography, it can also be used in scientific and technical photography. With proper use and care, the camera produces high-quality black-and-white and color negatives and transparencies. It accepts 35 mm film in standard cassettes (36 exposures of 24x36 mm format when loading 1.6 m of film). Available with a HELIOS-81M lens (focal length 53 mm, aperture ratio 1:2) or a VOLNA-4 lens (focal length 50 mm, aperture ratio 1:1.4). The camera has a focal-plane shutter with metal lamellar curtains, which provides shutter speeds in the range of 1/1,000-1 sec and "B:". The curtains move along the short side of the frame from bottom to top.

The shutter cocking is a lever-type mechanism, interlocked with the film transport mechanism and frame counter, which eliminates the possibility of repeated shots of the same frame. If repeated shots are necessary, the design allows for the transport mechanism and frame counter to be disengaged during cocking. The viewfinder is a reflex, continuous-viewing type (the mirror is retracted only during shutter release). Focusing is accomplished using a wedge, a micro-raster ring, and ground glass. The viewfinder field is 23x35 mm, covering 93% of the frame area. The sighting device, thanks to its Fresnel and condenser lenses, allows for shooting in low-light conditions. The sighting device has a 4x magnification.

The lens mount is a bayonet mount. The flange focal distance is 46.5 mm. The camera back is hinged and hinged. The frame counter is automatically set to "H" (start) when the back is opened. The camera is equipped with two synchronizing devices for using flash units at shutter speeds of 1/60 sec and slower; an X-contact is located on the top of the lens mount for a cordless, reusable electronic flash unit, and an F-contact is located on the front of the camera body

for fast, single-shot flash units. The shutter can be released using the self-timer (the shutter-release time is 7-15 sec). The lens focusing mechanism is designed to operate in the range from 00 (infinity) to 0.5 m (HELIO-81M) and 0.45 m (VOLNA-4). Before taking photographs, please read this manual thoroughly.

DELIVERY SET

Camera with a HELIO-81M or VOLNA-4 lens and magazine

Lens cap (front) Lens cap (rear)

UF-1 x filter ZhZ-1 4x filter

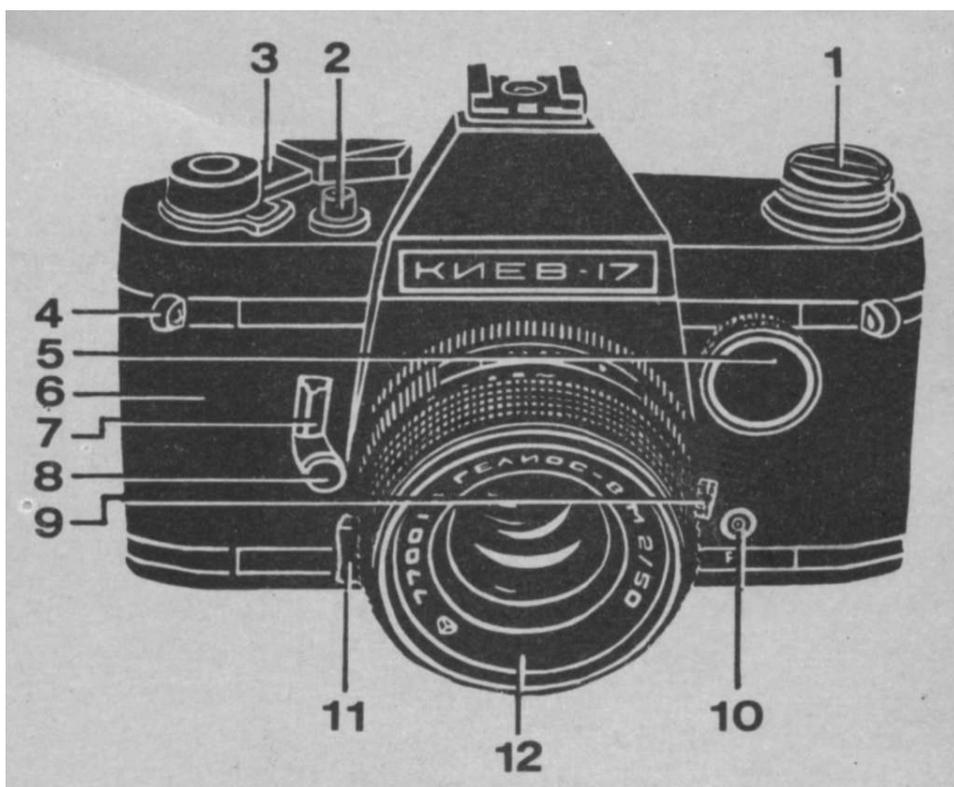
Release cable

Shoulder strap

Guide

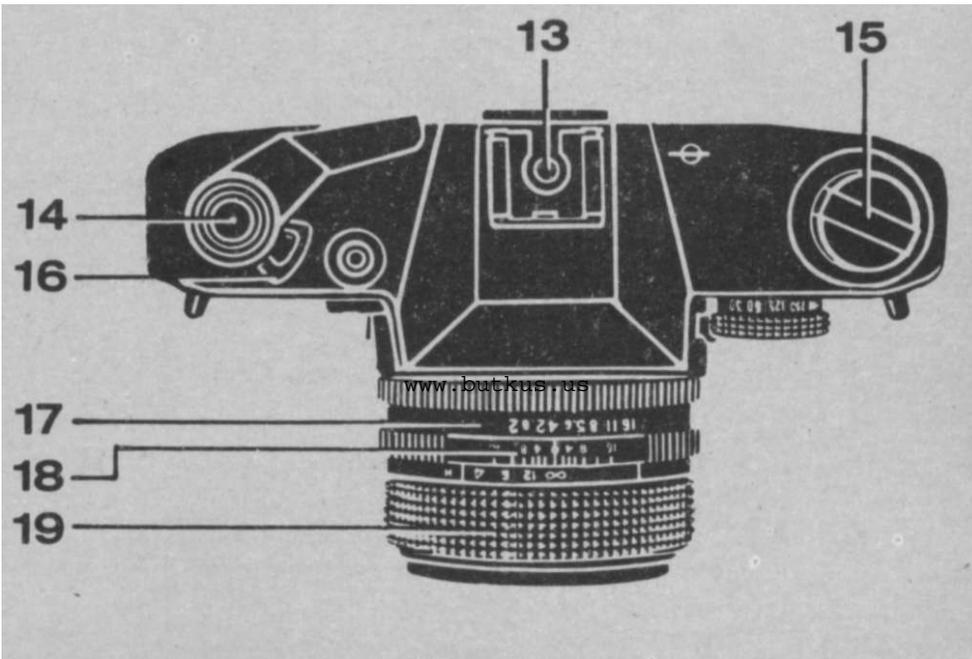
insert Case Packaging box with a plastic bag

Operating manual set pcs. 1



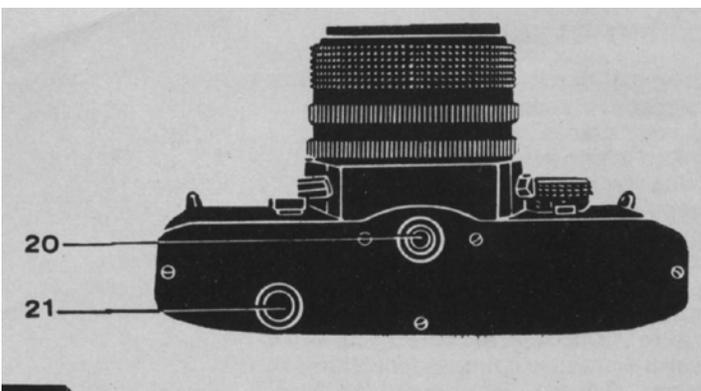
MAIN PARTS AND COMPONENTS

1 - Rewind knob; 2 - Shutter release button; 3 - Shutter cocking lever; 4 - Strap eyelet; 5 - Shutter speed adjustment knob; 6 - Camera body;	7 - Self-timer lever; 8 - Self-timer button; 9 - Lens release lever; 10 - Sync contact socket for single-shot fast-action flash units (F);
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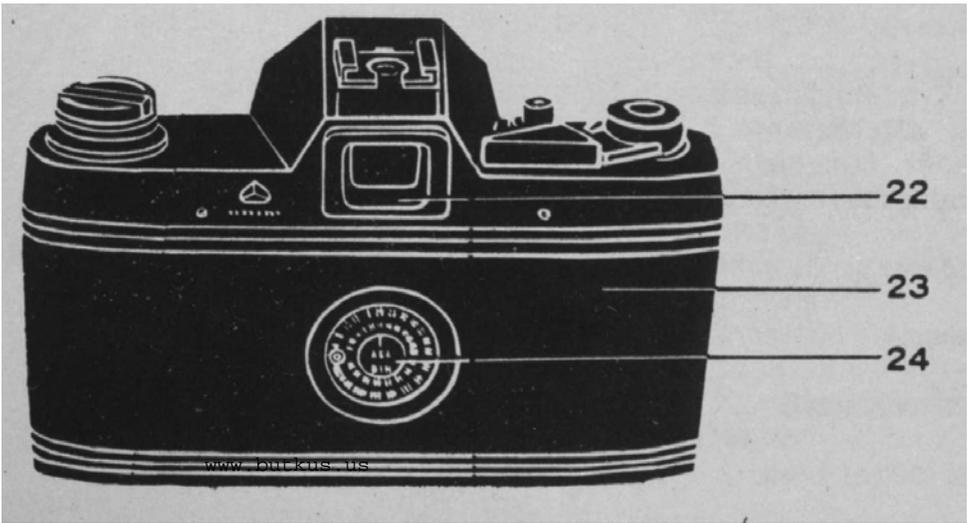


- 11 - Repeater lever;
- 12 - Lens;
- 13 - Clip with contact for cordless reusable electronic flash unit (X);
- 14 - Repeat shot button;
- 15 - Fold-out grip;

- 16 - Frame counter window;
- 17 - aperture scale;
- 18 - depth-of-field scale;
- 19 - lens focusing ring;

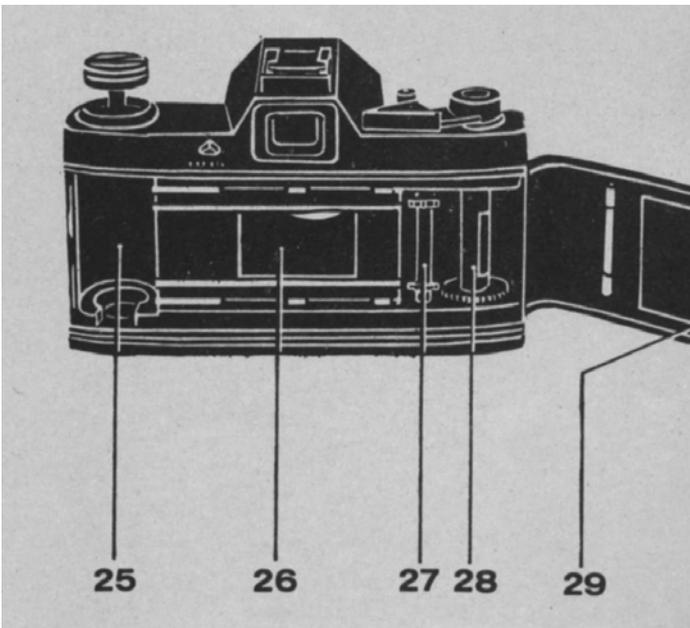


- 20 - 1/4 tripod nut;
- 21 - film transport release button;
- 22 - viewfinder eyepiece;
- 23 - back panel;
- 24 - film sensitivity reminder;



25 - left camera film cassette slot;
26 - frame window;

27 - transport drum;
28 - take-up spool;
29 - pressure plate.



HOW TO USE THE CAMERA

Loading the Camera Loading the camera can be done in a bright, dimly lit area (at least in the shadow of your body). Remove the camera from its case by loosening the tripod screw. Lift the rewind lever (15) up and open the back of the camera. Insert film cassette (30) into the left slot of the camera body and, while gently turning the head 1, lower it so that the fork connected to the head fits into the slot of the cassette spool. Attach the film to the take-up spool (28) by inserting the end of the film into one of the spool slots so that the film perforation fits into the tooth located at the bottom of each slot.



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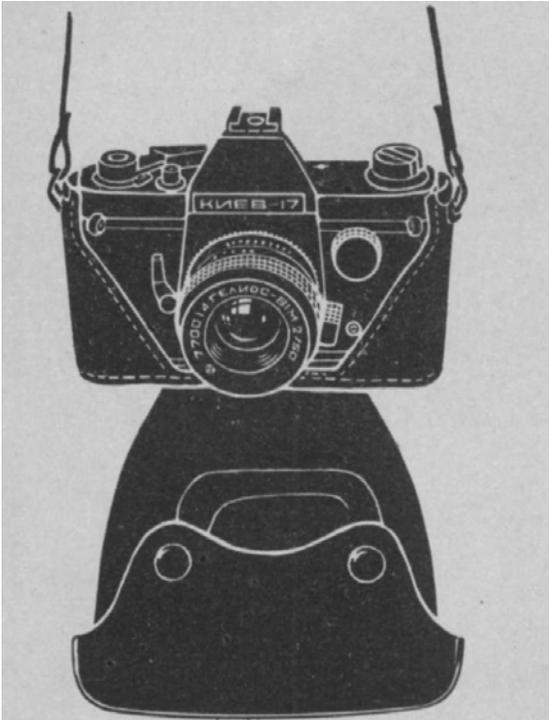
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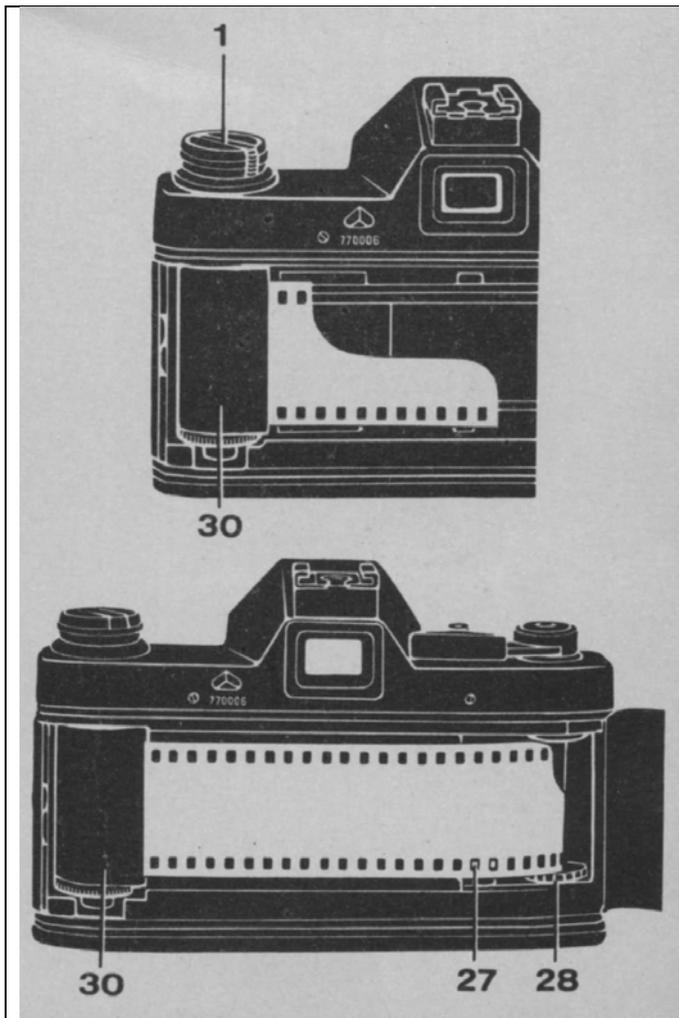
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Holding the film and pressing it with your left hand to the teeth of the transport drum 27, turn the (3) cocking lever.

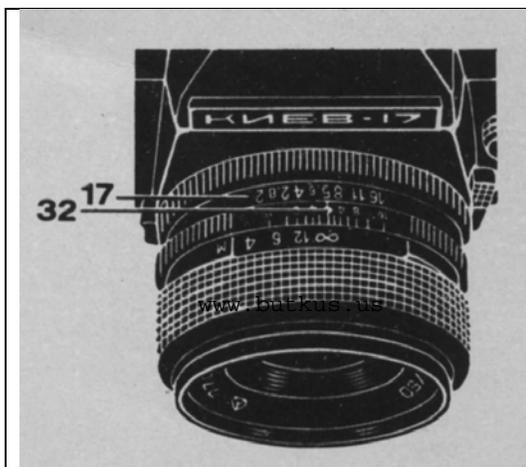


Turn the shutter and ensure that one of the film's teeth enters the film's perforation and that the film is winding onto the take-up spool. Close the camera back. Set the film sensitivity by turning dial (24) until the desired value in DIN or ASA units is reached, aligned with the vertical index located in the central circle of the film speed guide. The film speed guide has two scales: an inner scale, which indicates the film sensitivity in DIN units, and an outer scale, which indicates the film sensitivity in ASA units. The film sensitivity in DIN or ASA units is indicated on the packaging of domestic films. Preparing the camera for shooting To wind the exposed end of the film, cock the shutter twice by turning lever (3) until it stops, pressing release button 2 after each cocking.

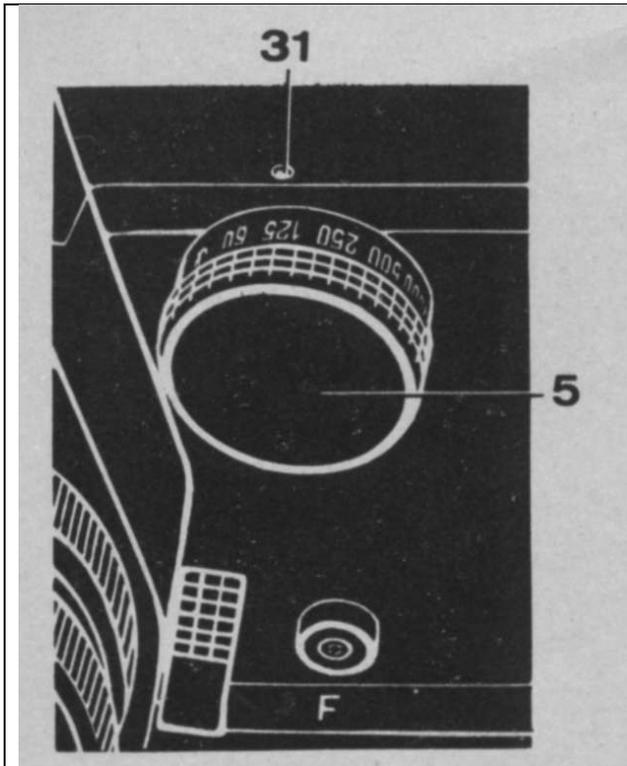
The next time the shutter is cocked, the frame counter number "1" will be positioned opposite the index in window (16) of the frame counter. Rewind head (1) rotates while the film is being advanced. If the film is not wound tightly in the cassette, the head may not rotate during the first few frames. Shooting The shooting process consists of the following operations: cocking the shutter and advancing the film; setting the shutter speed; setting the aperture; viewing and framing; focusing; releasing the shutter. As noted above, cocking the shutter and advancing the film is accomplished by turning lever (3) counterclockwise until it stops. This rotates the frame counter scale by one division.



After fully cocked, the lever automatically returns to its original position, and when uncocked, it remains in an intermediate position. The shutter speed is set by rotating knob (5) until the selected value is locked against the red index (31). The aperture is set by turning aperture scale (17) until the desired value is locked against the index (32).



The aperture scale is locked at the digital and intermediate values. Sighting and framing of the subject are accomplished by examining the image on the ground glass through viewfinder eyepiece (22) with the aperture fully open, regardless of the aperture value set on the scale. If you need to check the depth of field while shooting, press the repeater lever (11). This stops the lens down to the preset aperture lens clockwise until the index (32) aligns with the dot on the frame, then remove it from the camera. To install the lens, align the index (32) with the dot (33) on the frame, insert it into the camera, and turn it counterclockwise until it locks into place.

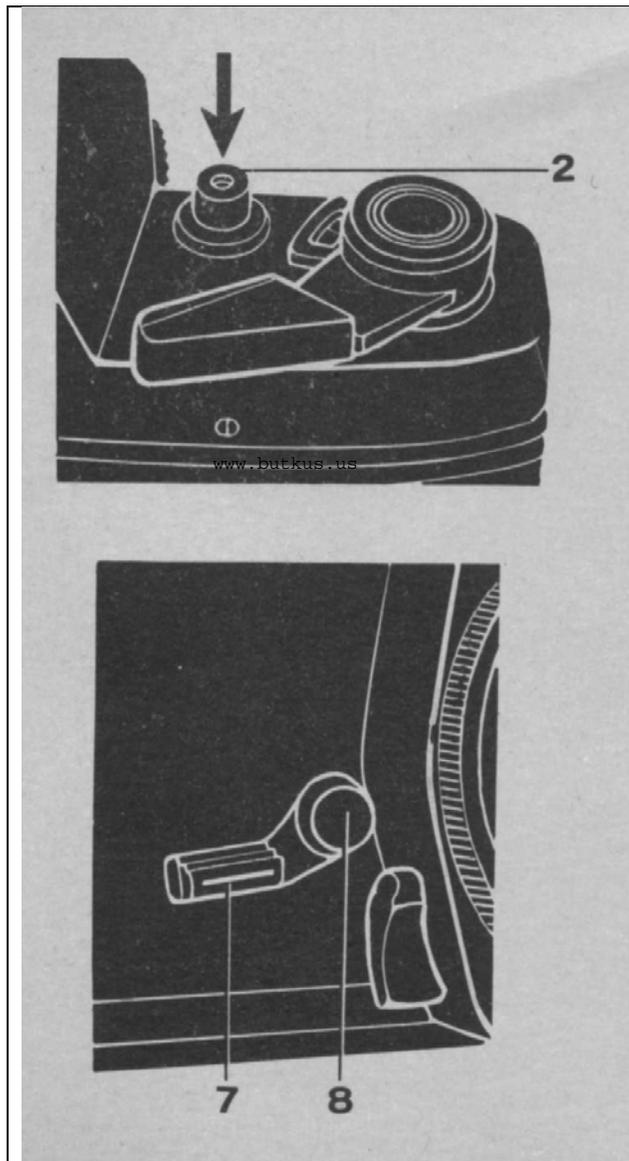


Shooting

The shooting process consists of the following operations:

- cocking the shutter and advancing the film;
- setting the shutter speed;
- setting the aperture;
- viewing and framing;
- focusing;
- releasing the shutter.

As noted above, cocking the shutter and advancing the film is accomplished by turning lever (3) counterclockwise until it stops. This rotates the frame counter scale one notch.



USING LIGHT FILTERS

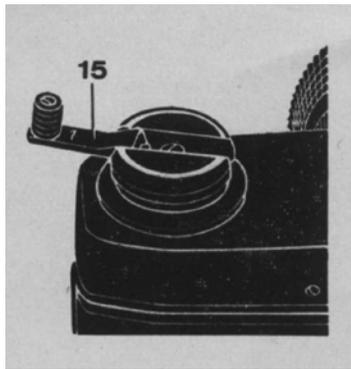
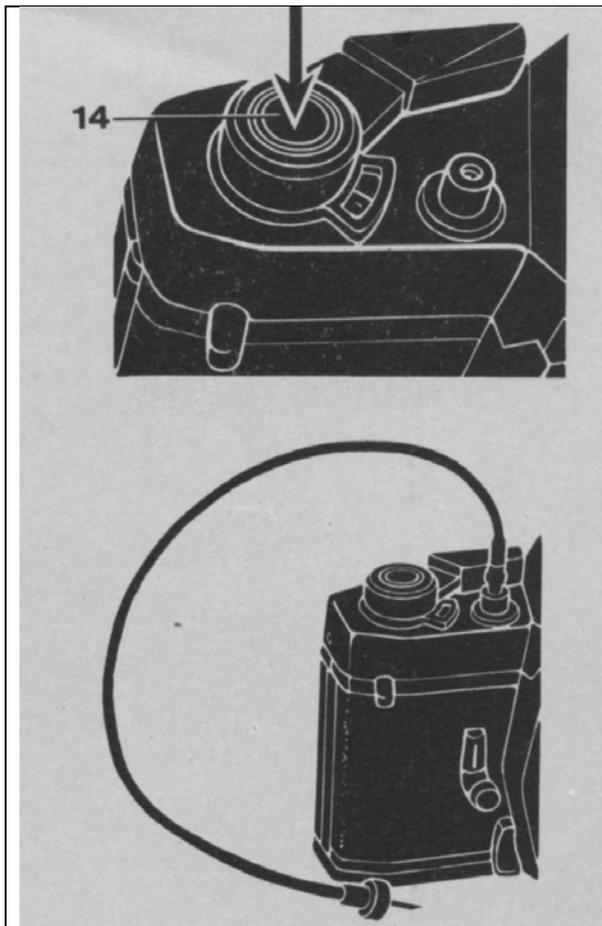
The lens comes with UV-1x and ZhZ-1.4x filters. The UV-1x filter is colorless and is used to reduce the effects of ultraviolet rays, for example, for shooting at high altitudes or with color film. The ZhZ-1.4x filter is yellow-green, light, and improves tonal quality.

The lens is focused by turning ring (19) until a sharp image of the subject is obtained in the viewfinder's field of view. For more precise focusing, focus wedges are located in the center of the ground glass, allowing you to focus by aligning the two halves of the image. If the subject does not have pronounced vertical lines, high focusing accuracy is achieved by focusing with the micro-raster ring. The shutter is released by gently pressing the shutter-release button (2). Before the shutter is released, the lens automatically stops down to the set aperture. Do not turn lever (3) before the shutter is fully released, as this may damage the camera. When shooting at a shutter speed of "B" the shutter remains open as long as the shutter-release button is pressed. If necessary, for steadiness you can use the camera's automatic shutter release, which is cocked by turning lever(7) counterclockwise until it stops. To activate the automatic shutter release, press button (8). Using the automatic shutter release at "B" is not recommended.

To retake the same shot, press button (14) and, while holding it down, cock the shutter. Caution! Do not press button (14) until the shutter release lever returns to its original position. To retake the same shot, cock the shutter as usual, by pressing the trigger button. At shutter speeds of 1/30 sec and longer, it is recommended to photograph from a tripod, using a cable release to release the shutter.

Unloading the camera

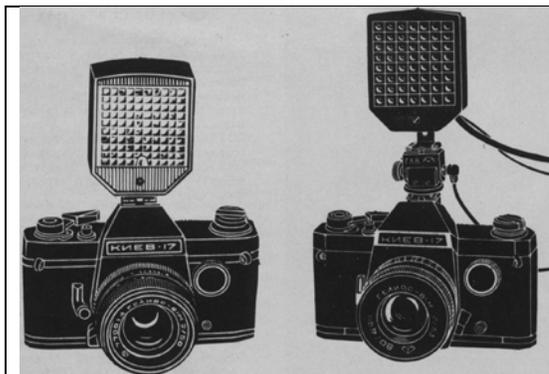
Press button (21) all the way down and release it. The button should lock into place.



Fold back knob (15) and rotate it in the direction of the arrow until the rotation force is suddenly reduced. After the film has finished rewinding, open the back panel and remove the cassette. This operation should be performed in a dimly lit area. Before closing the camera, inspect it and, if necessary, clean it with a brush or wipe it with a cloth.

SHOOTING WITH A FLASH

Before using the flash, carefully read the instructions provided with it. The connection between the cordless flash and the contacts in the camera is established by inserting the flash into the 13-pin connector. A corded flash is connected via a special adapter block, which can be purchased at camera stores.



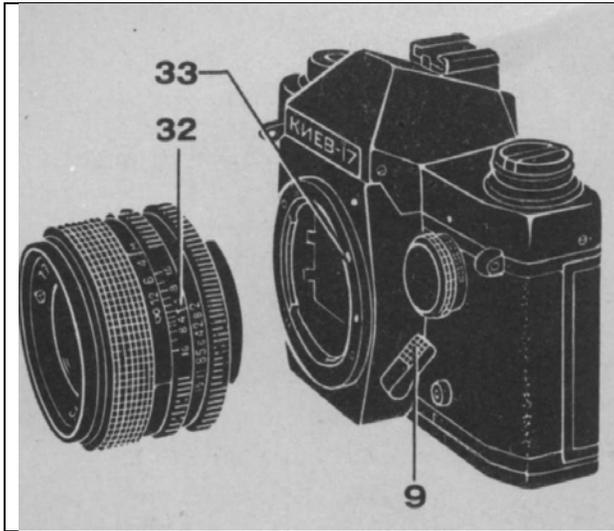
The disposable flashlight cable must be connected to socket (10). First, insert the insert provided with the camera into socket 13. Shooting with the flashlight should be done at shutter speeds of 1/50 sec or longer.

SHOOTING WITH A JIAMPOYA FLASH

In the camera you purchased, the F-contact for fast-acting, single-use flash tubes, located on the front of the camera body (see pos. 10), has been removed. The camera has two X-contacts (11/Ta) for using various flash tubes. The central contact, located in the holder (13), is used to connect cordless flash tubes.

For connecting corded flash tubes, there is an additional socket on the top cover. Fast-acting, single-use flash

tubes are installed and connected in the same way as flash tubes. It should be noted that shooting with single-shot flash units is done at shutter speeds of 1/30 sec or longer. 2. The Kyiv-17 camera is manufactured according to the specifications



REPLACING THE LENS

To replace the lens, press the lens release lever (9) fully and turn the lens clockwise until the index (32) aligns with the dot on the frame, then remove it from the camera. To install the lens, align the index (32) with the dot (33) on the frame, insert it into the camera, and turn it counterclockwise until it locks into place.

APPLICATION OF LIGHT FILTERS

The lens kit includes UV-1x and ZhZ-1.4x filters. The UV-1x filter is colorless and is used to reduce the effects of ultraviolet rays, for example, for shooting at high altitudes or with color film. The ZhZ-1.4x filter is yellow-green, light, and improves tonal quality.

Reproduction of multicolored objects on high-sensitivity photographic materials with a slight loss of sensitivity. On medium-sensitivity photographic materials, practically accurate tone reproduction of multicolored objects is achieved.

CAMERA CARE

Store the camera in its case in a dry place. Protect it from dirt, dust, moisture, and sudden shocks and vibrations, as these may damage the mechanisms. When shooting in freezing weather (below -10°C), do not leave the camera outdoors; wear it under outer clothing, removing it only during shooting. Carefully protect the lens from dust and dirt to reduce the need for cleaning the optics, as this may damage the anti-reflective layer on the lens surfaces. Do not open the camera immediately when bringing the device from a cold place into a warm room, to avoid fogging, let it warm up in its case. Do not apply excessive force when operating the device. If any defects or damage are detected, do not repair the device yourself. Repairs and adjustments to the device should only be performed by qualified personnel.