Set of taking anamorphic attachment 35NAS4-1 and movie lenses in focusing mounts

User manual

I. PURPOSE

Taking anamorphic attachment 35NAS4-1 with movie lenses in focusing mounts is purposed to shoot wide-screen movies on b/w or color film with Konvas-Automat camera.

II. SPECIFICATIONS

Anamorphing ratio for infinity focus	0.49
Max field of view (angle 2β):	
horizontal	55°
vertical	21°
Mount diameter for lenses	47mm
Shooting distance	1.5m-infinity
Dimensions:	
with 50mm lens	95x174mm
with 75mm lens	95x136mm
Weight	1.6kg

III. CONSTRUCTION

The attachment is two-component afocal optical system consisting of elements with cylindrical surfaces having parallel moving lines.

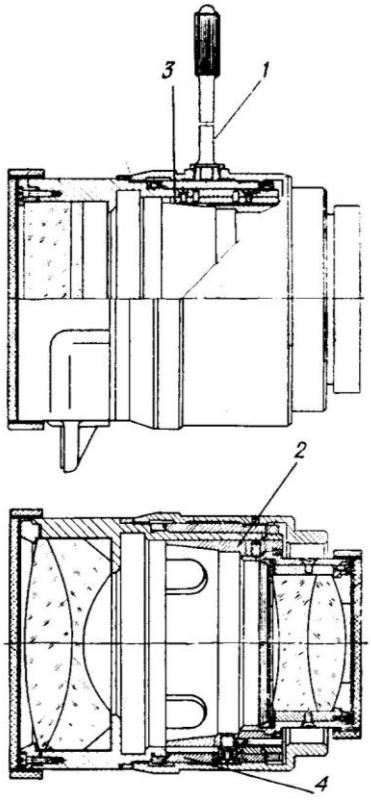
The attachment has a focusing system coupled with lenses. This system moves second component of the attachment and a lens.

Distance scales of the lenses and attachment are marked from 1.5m to infinity. Marked with numbers values are 1.5, 2, 3, 4, 5, 10, ∞. Non-numbered marks are for 1.75, 2.5, 6, 8, 20 and 30 meters.

Note: Numbers on the attachment distance scale are marked with a dot if distance of the 75mm lens doesn't match distance of 50mm lens.

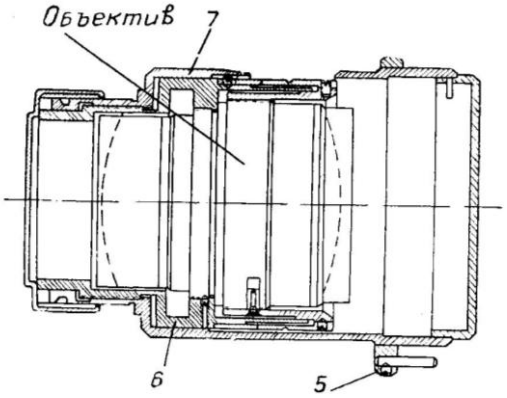
Aperture scales of lenses are marked in values of effective apertures of the lens coupled with the attachment.

A lens is locked in the camera with special lock. The anamorphic attachment should be mounted onto a support dovetail plate.



Picture 1.

To focus the system, you should turn the lever (1) (Picture 1) that causes moving of the second component of the attachment on two splines (3) along optical axis. This movement character is determined by the cam shape (4). Guiding pin (5) of the lens (Picture 2) moves simultaneously, so focusing collar (6) moves together with the lens inside the lens barrel (7) on the multi-thread. It is recommended to focus lens turning the focusing ring toward closer distances.



Picture 2.

IV. OPERATING INSTRUCTION

The attachment can be used in the temperature range from -30°C to +40°C and relative humidity not higher than 90%.

It is necessary to protect the attachment and lenses against strikes, vibrations and mechanical damages. After shooting, you should remove dust from external surfaces with clean brush washed in ether, and clean metal surfaces with clean flax cloth. Then put front and rear caps onto the attachment and lenses, and put them into the storage box.

Do not disassemble the attachment and lenses if you unable to adjust them during assembling.

The attachment and lenses can be stored at temperatures from -10°C to +30°C and relative humidity not higher than 65%.