

# **ARSAT 3.5/30**

## **superwide-angle lens**

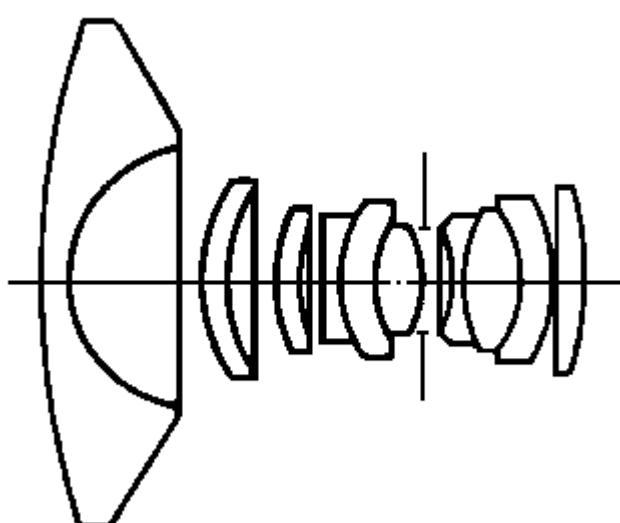
### **Operation Manual**



#### **1. GENERAL**

The lenses are produced in two versions and intended for medium format SLR cameras: ARSAT C 3.5/30 for cameras of KIEV-60 type; ARSAT B 3.5/30 for cameras of KIEV 88 type. The ARSAT C 3.5/30 lens can be also used with PENTACON SIX camera. They are super wide-angle ten lens-element optical systems.

The wide field-of-view angle, high lens speed and great field depth, presence of the "jumping" diaphragm enable to use the photographic lenses in the technical and scientific investigations, in camera journalism, for press and sports events photography as well as in shooting the group pictures from small distances and in photographing the objects in the narrow confined premises.



## 2. SPECIFICATIONS

- Focal length, mm: 30
- Relative aperture: 1:3.5
- Diaphragm setting limit: 22
- Field-of-view angle: 180
- Near focusing limit, m: 0.3
- Operating distance, mm:
  - ARSAT C lens: 74
  - ARSAT B lens: 82.1
- Thread for light filters, mm: 38
- Maximum diameter, mm: 110
- Length, mm: 96
- Weight, kg: 1.0

## 3. INSTRUCTIONS FOR USE

Install and remove the lens according to the rules laid down in the Operation Manual of the cameras. Set the required diaphragm by turning ring 4. The diaphragm shuts to the selected value automatically when the release button of the camera is depressed. The image sharpness is obtained by turning ring 1 with a distance scale 2.

The field depth can be determined by means of scale 3 on the distance scale 2 depending on the distance to the focused object and the selected diaphragm value.

## 4. USE OF LIGHT FILTERS

The light filter YG-1.4X, yellow-green and light, improves the tone reproduction of multicolor objects on high-sensitive photo materials with a slight loss of their sensitivity. With medium-sensitive photo materials, the practically correct tone reproduction of multicolor objects is attained.

The light filter B-1.4X, blue, requires a slight enlargement of exposure and is the most suitable for taking pictures with filament lamps as it provides for the correct tone reproduction of color objects especially in taking pictures with the use of high-sensitive photo materials.

When shooting outdoors (in the day lighting) the blue light filter singles out a haze, improves the image of shades in a sunny day, provides for the more correct reproduction of space.

The light filter O-2.8X, orange, fully absorbs Ultraviolet Rays. It is used to obtain a particular contrast in shooting the compositions with clouds, water surfaces, landscapes with a noticeable shading of verdure, etc.

## 5. CARE AND STORAGE

The lens is a complicated optical device and should be handled and kept with great care. Protect the lens against impacts, sudden temperature changes as well as against dust and moisture. Having brought the lens from the frosty weather into a warm room do not open it immediately, let it get warm to avoid sweating of the optical surfaces.

Should dust or moisture get on the lens parts remove it with a soft brush or cotton wad moistened in spirit-and-ether mixture.

## 6. ACCEPTANCE CERTIFICATE

It is hereby certified that the photographic lens ARSAT 3.5/30, Serial #....., complies with the technical documentation and is found fit for service.

Date of manufacture \_\_\_\_\_

Accepted by \_\_\_\_\_  
signature



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