

1 GENERAL INSTRUCTIONS

The extra wide-angular FISH-EYE CIRCULAR photographic objective «MC Peleng 3,5/8A» is intended as a replaceable objective for cameras with a frame format of 24x36 mm.

The mount type are either M42x1 or Bayonet N.

The objective is suitable for photographing both on black-and-white and color film. It has the device of diaphragm pre-installation that raises photographing efficiency. Lens of an objective have clarifying covering. The frame picture is a circle 024mm (pict. 1).



Pict. 1. Image made by Peleng fish-eye lens

2 SPECIFICATIONS

Focal distance, mm		8,1 +/- 0,25
Relative aperture		1:3,5+1:16
Angle of view, ang. deg.		180
Aspect ratio, mm		24x36
Resolution power, mm	in the center	55
	along the edges	15
Minimum distance when photographing, m		0,3
Transmission factor		0,7
Dissipation factor		0,03
Overall dimensions, mm	diameter	73
	length	65,5

3 SET INCLUDES

- FISHEYE CIRCULAR "MS Peleng 3.5/8A" LENS,
- 2 lens caps,
- Nylon carrying case,
- Light filter UV-1x,
- Light filter YG-1.8x,
- Light filter O-2.8x,
- Bayonet "N",
- English manual.

4 OPERATING PROCEDURE

Before installation on a camera (pict. 2) remove a back cover and check if thread of your lens and camera is clean. Cautiously screw on an objective into the camera until it stops and slightly tighten, thus the sharpness depths scale index A will be established on a vertical axis of a camera. Before photographing remove from the objective a forward cover.



Pict. 2. Peleng fish-eye lens

With the ring of the diaphragms scale 1 establish the needed value.

Then with a diaphragm pre-installation ring 2 open a lens diaphragm. establish sharpness by turning a distances scale ring 4. Picture made by camera should be sharp on matte glass or a microraster of the viewfinder of the mirror camera. If you have a

rangefinder camera the sharpness is adjusted by installation a corresponding value on the distances scale ring opposite to index of the sharpness depth scale. After this it's necessary to reach the required value of diaphragm rotation by turning of a diaphragm pre-installation ring.

If you photograph a number of subjects located on various distances from the camera those use a sharpness depth scale. This scale determines two values of distances within those subjects in a picture are represented sharply for each value of a diaphragm.

The objective supposes installation of the optical filters which are included in the complete set with M29xO thread. For this purpose before installation of an objective it is necessary to remove a framed plate from its back and screw an optical filter on its place.

If your camera has the Bayonet N mount type you need to replace a "M42x1" adapter with it (the ring included in the complete set). For this purpose, please, cautiously turn out three lock screws from the adapter "M42x1" and remove it away. Put on a transitive ring - Bayonet N so that at installation in a camera the index of the sharpness depth scale was established on a vertical axis of a camera. Then clamp with effort lock screws in the adapter.

5 RULES OF STORAGE AND OPERATION

Protect the objective from impacts, pushes, dust hitting, dampness, pollution and sharp fluctuations of temperature. In a time off cover the lens and store it in a case. Protect the clarified surfaces: moisture at long influence can spoil a clarifying film. Bringing the lens from cold to warm, take it in the closed case within 3 hours to avoid fogging the optics. Dust from the lens surface has to be blown off with a rubber pear or brushed away with a clean soft brush. Pollutions should be deleted either with a wadded tampon slightly moistened with rectifying spirit, or with an ether. To clean the lens, follow the circular movements from its center to edges.

Remember, that the lens is a complicated and sensitive optical device. It's only possible to disassemble it in conditions of specialized workshop.