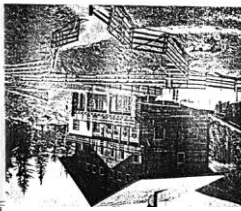


When reducing the lens aperture, the depth of field increases both in forward and in backward direction from the distance at which the lens is focused. The depth of field for any given lens aperture and distance setting can be accurately ascertained from the depth of field scale. It is represented by the distance settings opposite the two diaphragm setting figures on the right and the left side of the diaphragm setting mark.

THE CORRECT EXPOSURE TIME can be ascertained from exposure tables or with the aid of the photo-electric exposure meter zone area "nomogram". The exposure time depends on the diaphragm setting, the film sensitivity, and the prevailing lighting conditions.

BASIC RULE:

Outdoor photographs in bright sunshine: film sensitivity 32 ASA diaphragm setting 8 1/8 sec. Outdoor photographs in sky overcast: film sensitivity 32 ASA diaphragm setting 5 1/8 sec.



DEPTH OF FIELD TABLE FOR NIVAR 2, 2 1/2, 2 3/4, focal length 41 mm. Table with columns for lens, distance, and diaphragm settings.

THE ZEISS IKON ROLLFILM CAMERA

NETTAR II G 6

The easiest of its manipulation is a conspicuous feature of this camera, which, if handled properly, gives excellent results, as is proved by the two pictures contained in this booklet, which were made with NETTAR camera. The picture of the house was taken with lens stop 11 and 1/8 sec. and the image of the motorcycle race, with lens stop 4.5 and 1/8 sec. Once you are familiar with the few manipulations

explained in this booklet, you will have no difficulty in obtaining good photographs, and will take a great pleasure in photography. The camera takes 12 pictures 2 1/4" x 2 1/4" on standard B 16 film. It is equipped either with a Nivar F1.8 or with a Nivar F4.5 lens. Its lenses are factory-coated, ensuring utmost sharpness in black and white as well as colour photography.

HOW TO OPEN THE NETTAR

Hold the camera in one hand, slightly tilting it forward. Press opening knob and the camera will snap into the taking position.



HOW TO LOAD THE NETTAR

When the camera is held with the lens cap removed, the shutter will open. The film is then inserted into the film chamber (11), the film is pulled out to the take-up spool (12) and the film is inserted into the take-up spool (13).

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release is pressed down. Prior to every exposure the shutter must be opened with the shutter winding lever. The NETTAR camera is equipped with roller shutters. All different frame lengths synchronization contacts with which all available flash bulbs can be fired.

Flash Photographs with Vario or Pronto shutter.

To fire flash bulbs with Vario or Pronto shutter set the shutter speed on 1/100 sec. Press the shutter release, the flash bulb will fire and the camera will snap into the taking position.



FOCUSING

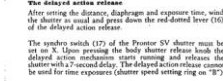
Distances in terms of feet are engraved on the lens mount. The camera is focused on the object to be photographed by turning the front lens mount. The respective setting figure

SETTING OF THE DIAPHRAGM

For setting the diaphragm on the desired lens aperture turn the diaphragm setting ring (1) until the desired lens aperture figure is opposite the diaphragm setting mark on the lens barrel.

SETTING OF THE EXPOSURE TIME

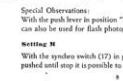
Turn the setting ring (2) until the exposure time setting mark (2) is opposite the desired exposure time. The exposure time setting ring indicates fractions of a second, i.e., "25" means 1/25 sec. With setting "12" the shutter remains open as long as the body shutter



The delayed action release. After setting the distance, diaphragm and exposure time, wind the shutter in usual way from the end-disk lever (16) of the delayed action release.

Flash Photographs with Pronto SV shutter.

For flash photographs with Pronto SV shutter set position of the flash bulb switch (17) as possible (X and M). In both cases of distance, diaphragm and exposure time has to be set before taking the picture.



Special Observation:

With the synchro switch (17) in position "X", the delayed action release can also be used for flash photography.

Table listing shutter speeds, synchronisation, and flash lamp compatibility for various camera models.

LENS APERTURE, DEPTH OF FIELD AND EXPOSURE TIME

A large depth of field can be achieved by reducing the lens aperture. The lens aperture and the diaphragm setting figures are engraved, i.e., the smaller the lens aperture the higher the diaphragm setting figure. Every reduction of the lens aperture accentuates an extension of the exposure time.

THE ZEISS IKON BODY SHUTTER SETTING enables the camera to take instant snapshots in good lighting conditions without previous time-consuming settings. Set the diaphragm setting lever and the distance setting mark on the end disk and every-thing from 1/3 feet to infinity will be rendered sharply. According to the prevailing lighting conditions, exposure times from 1/100 to 1/2 sec may be used.



LOADING OF THE CAMERA

The camera back can be removed after pulling out the locking bolt.

LOADING OF THE CAMERA

The camera back can be removed after pulling out the locking bolt.



ENLOADING OF THE CAMERA

After the shell is opened the film winding key and paper of the spool pass the window at the back of the camera. Then open the camera back, pull out the spring gear as when inserting the film, remove the spool carefully in the shallow foot in bright sunshine) and wind it. Before inserting a new film, the empty feeding spool must be inserted into the take-up spool chamber. By turning the

LOADING OF THE CAMERA

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PHOTOGRAPHIC EQUIPMENT AND ACCESSORIES FOR NETTAR II

THE EVERADY CARRYING CASE

The most new Everady Carrying Case for the NETTAR II is elegant and protects the camera from any directional external influences. The camera is inserted into the Case and can be removed for taking pictures.

THE CABLE RELEASE

The shutter can also be released with a cable release to be inserted into the thread of the shutter. It is especially advisable to use a cable release for time exposures from a tripod or in cases where the tripod is not available.

ZEISS IKON FILTERS

Improve the rendering of the tone values in black and white photography. The effect depends on the colour and on the absorbing qualities of the filter. The use of a filter accentuates an extension of the exposure time.

Supra filters are used with the NETTAR II made with Vario shutter while for the camera made with Pronto or Pronto-SV shutter accesson filters are to be used.

SUPPLEMENTARY LENSES FOR CLOSE-UPS

With the standard lens equipment of the NETTAR II photographs can be made of objects from 3.5 feet to infinity. Objects closer than 3.5 feet can be photographed only with the aid of some supplementary lenses (Pronto lenses), which are slipped on to the camera lens mount. Two different Pronto lenses are available for the NETTAR II. See table on page 18.

When making close-ups with supplementary lenses, the photographer has to account for the difference of distance between the supplementary lens, the field indicated by the viewfinder will always be somewhat too high in close-ups.

When using supplementary lenses (Pronto lenses) the following table is applicable:

Table showing the effect of supplementary lenses on focal length, field of view, and magnification.

A sufficiently large depth of field, it is necessary to use at least the diaphragm setting "8".

THE LENS HOOD

prevents flare or haze in against light photography and protects the lens from rain or snow.

TRIPPOD THREAD

The camera is fast at its bottom a thread for fixing the camera on a tripod.

COLOR PHOTOGRAPHY

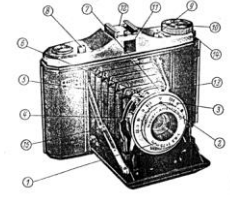
The Zeiss Ikon Nivar lenses are carefully colour corrected and, therefore, most suitable for colour photography, which every amateur can, in fact, master with the same ease as black and white photography.

HOW TO TAKE CARE OF THE NETTAR II

The camera does not require special maintenance work. It is advisable to clean the lens from time to time with some

with which and to keep the interior of the camera particularly the film guide and the spool chambers, free from all foreign particles which could damage the film. A small number engraved on the back of every camera case, is recommended to be used in order to be able to identify the camera in case it is lost or accidentally exchanged. The official distributor may supply light traps on the camera or on the case.

ZEISS IKON NETTAR II 35mm FILM CAMERA 2, 2 1/2, 2 3/4



THE PARTS OF THE NETTAR II

- 1 - Rotating front lens for distance setting
2 - Distance setting mark
3 - Depth of field scale
4 - Thread for cable release
5 - Exposure time setting ring
6 - Lever for diaphragm setting
7 - Lever for winding shutter
8 - Body shutter release
9 - Knob for opening camera
10 - Film winding knob
11 - Bolt in optical viewfinder
12 - Slot for tripod accessories
13 - Flash synchronization contact
14 - Bolt for locking camera back
15 - Straps
16 - Lever for delayed action release (see p. 9)
17 - Synchro switch (see p. 5)