

Kenko

# Scope eyepiece

## Instruction Manual

This product enables you to turn a camera lens into a spotting scope.

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### For your safety

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them. The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol:

#### ⚠ WARNINGS

Inappropriate use by not following these instructions may lead to death or serious injury.

- Do not leave the lens without the cap. If solar light is converged through the lens, a fire may result.
- Do not look at the sun through the lens. Viewing the sun or other strong light source through the lens could cause permanent visual impairment.
- Do not look at the sun through the camera with lens. Viewing the sun or other strong light source through the lens could cause permanent visual impairment. In addition, it causes the trouble of the camera.

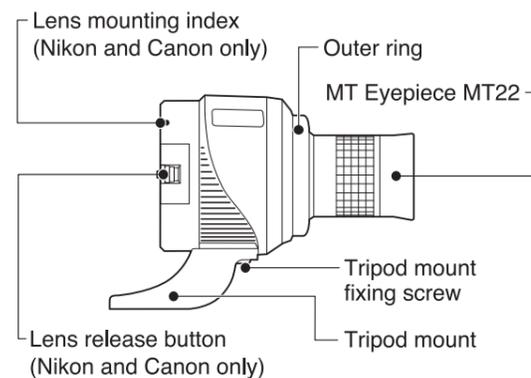
- When mounting the lens to the camera, please set correctly. If it is not set correctly, could cause a malfunction or injure.
- Keep out of reach of children. Failure to observe this precaution could result in injury.
- Do not use product on an unstable or an uneven surface. Accidents could occur.

#### ⚠ CAUTION

Inappropriate use by not following these instructions may lead to injury or physical damage.

- Read the instructions manual.
- When you carry the camera with the lens attached, make sure to hold both the camera and the lens steadily.
- Before taking pictures, please check the lens
- Do not disassemble. Touching the product's internal parts could result in injury. In the event of malfunction, the product should be repaired only by a qualified technician.
- Do not strongly shake or impact the body by dropping it or hitting it against a hard object. It could cause a malfunction.
- Keep this product out of children's or pet's reach. Accidental swallowing or injury could occur.
- Keep the plastic bag (packaging) away from babies and children. Keep the plastic bag (packaging) away from babies and children to avoid danger from suffocation.

### 1. Names of Parts



\* The T-mount uses a screw thread. There is no lens release button.

### 2. Set Contents

- Scope eyepiece ..... 1
- Tripod mount (removable type) ..... 1
- MT Eyepiece MT22 ..... 1
- User Manual ..... 1

### 3. Magnification Ratio

$$\text{Magnification ratio when a lens is mounted} = \frac{\text{Replacement lens focal length}}{\text{Eyepiece focal length}} \times 2.4$$

When an 80-400mm F4.5-5.6 zoom lens is mounted to a scope eyepiece that has a 20x eyepiece, the lens becomes a 9-44x zoom spotting scope. Also, with a macro lens attached it becomes a spotting scope that can be focused throughout a broad range, from close up to infinite distance. With a 1:1 magnification macro lens attached it can be used as a 27x loupe.

### 4. Mounting

Mount the T-mount in the same way as mounting the lens to the camera. Follow the instructions in the camera manufacturer's User Manual to mount the T-mount. The T-mount uses a screw thread.

### 5. Focusing

Rotate the focusing ring of the camera lens until the image becomes sharp and crisp.

### 9. Magnification Ratio

The following magnification ratios can be achieved using the Kenko MT eyepiece.

MT eyepiec	Eyepiec focal length	200mm	400mm	600mm
15	29.3 mm	16 x	33 x	49 x
20 (MT22)	22.0 mm	22 x	44 x	65 x
30W	14.7 mm	33 x	65 x	98 x
35	12.6 mm	38 x	76 x	114 x
50	8.8 mm	55 x	109 x	164 x
70	6.3 mm	76 x	152 x	229 x
20 - 60SD	7.3~22.0 mm	22~66 x	44~132 x	65~197 x
20 - 60DX	7.3 ~22.0 mm	22~66 x	44~132 x	65~197 x
30 - 100	4.4 ~14.7 mm	33~109 x	65~218 x	98~327 x
New25	17.6 mm	27 x	55 x	82 x
New20 - 60	7.3~22.0 mm	22~66 x	44~132 x	65~197 x

Specifications and exterior views are subject to change without notice for the purpose of product improvement.

### 6. Changing the Magnification Ratio

When the T-mount is mounted to a zoom lens, rotate the lens zoom ring to change the magnification ratio. You can also change the eyepiece to change the magnification ratio. When you attach NEW25, NEW20~60X eye piece, you should remove outer ring from scope eye piece body. And then, it can be inserted NEW25, NEW20~60X eye piece on scope eye piece body.

### 7. Tripod mount

The T-mount is built with a removable tripod mount. Remove the tripod mount fixing screw and remove the tripod mount. The tripod mount can hold a lens up to 800g. When using a heavier lens, use the tripod mount of the lens to be attached.

\* If the lens has a tripod mount attached, remove the scope eyepiece tripod mount and use the lens tripod mount.

### 8. Specifications (2.4x upright adapter)

Magnification Ratio	2.4 x
Prism	Roof prism
Aperture ratio	1 : 4
Size / Weight (excluding Tripod mount & Eyepiece)	Nikon : φ71 mm x 66mm / 165g Canon : φ71 mm x 64mm / 175g T-mount : φ71 mm x 73mm / 195g

\*Due to the role of the scope eyepiece fixed aperture, the brightness appears equivalent to that of F4 when a lens brighter than F4 is used.