

TAMRON Wide Field Tele-View Adapter



Applications

The built-in quality of Tamron's 35mm SLR interchangeable lenses can be utilized in a high-performance telescope by attaching the Tele-View Adapter for a wide range of applications.

- Observation of nature (bird watching, studying animals in their native habitat)
- Watching baseball games, horse races, etc.
- Watching plays, etc.
- Many others

Features

1. Wide field of view

The normal field of view for a 25X telescope at 1,000 meters is 34 meters. By attaching the tele-view adapter to the SP 500mm lens, however, the field of view is 50 meters at a distance of 1,000 meters. This is an increase of approximately 50%.

2. High performance, high resolution

The resolution is greatly superior to that of ordinary telescopes and binoculars because the interchangeable lens is required to have high performance and high resolution.

3. Bright field of view

The bright periphery produced by the camera lens and the use of a high precision, high quality roof prism produce an extremely bright field of view.

4. L-shaped for easy, fatigue-free viewing

The eyes do not tire easily because the image appears right side up and the viewer can look from a natural, downward position.

5. Easily applicable as a microscope too

By attaching the tele-view adapter to a macro lens with an extension ring, a microscope can also be easily made.

6. High magnification ratio

A 10X telescope can be made by attaching the tele-view adapter to a 200mm lens.

7. Built-in diopter adjustment

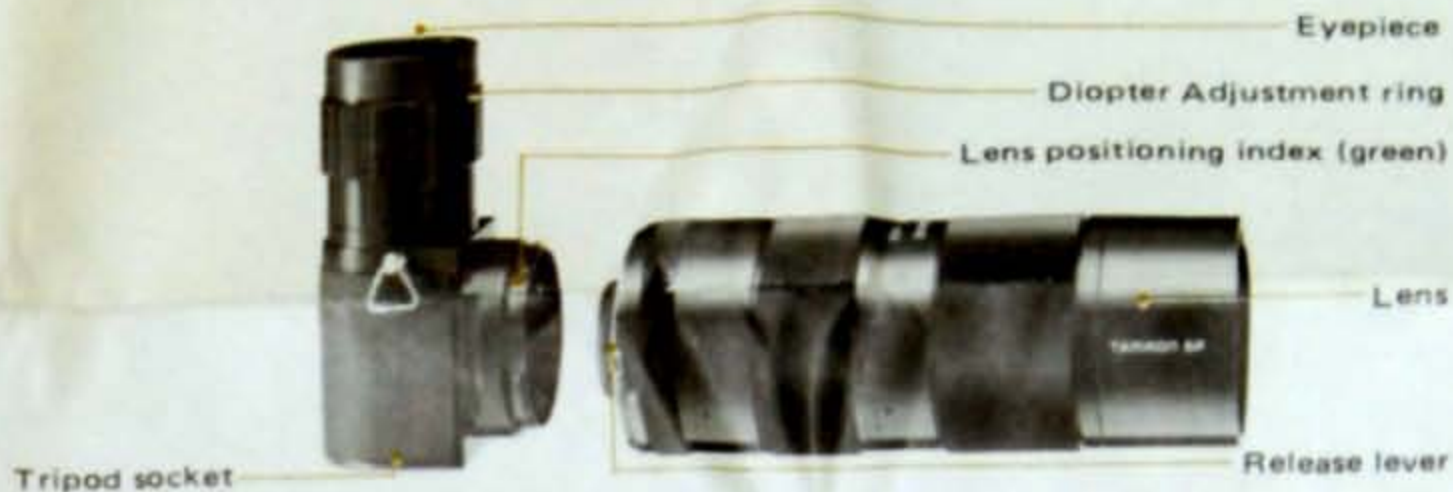
A built-in diopter adjustment allows adjustment to individual eyesight.

8. Compact, lightweight

The 106mm height, 61mm length and 257 gram weight allow the tele-view adapter to be slipped into a pocket to take along on photographic meets, trips etc

9. High performance but easy to own price

Names of Parts



Operating Instructions

1. Attaching to a lens

The extremely simple Adapt-all bayonet mount is used. The tele-view adapter can be attached to a lens by merely matching the green dot on the rear of the lens with the green dot on the bayonet part of the adapter and rotating clockwise approximately 2.5cm until a click is heard.



2. Adjust the diopter adjustment ring on the top of the adaptor to suit your own eyesight.

3. When removing the tele-view adaptor

Press the L-shaped lever directly opposite the aperture indicator window on the rear of the lens and rotate the adaptor counterclockwise. The adaptor can be removed when it stops turning.

4. Using a tripod

Place the tele-view adapter with the eyepiece pointing upward and place it on the panhead of the tripod. Then screw the tripod screw into the tripod socket of the adapter.

Specification

Exit diameter	(10X) 5.01mm	(25X) 2.5mm
Field of view (1,000m)	(10X) 125.0m	(25X) 50.0m
Angle of view	(10X) 7.2°	(25X) 2.87°
Construction	5 elements + roof prism	
Overall length	61mm	
Height	106mm	
Weight	257 grams	

Magnification Ratio

- The magnification ratio of telescopes made by attaching the tele-view adapter to a camera lens can be found by dividing the focal length by 20. The following are representative examples:

Focal length	Mag. ratio	Focal length	Mag. ratio
90mm	3.0X	70-150mm	3.5X ~ 7.5X
135mm	6.7X	85-210mm	4.2X ~ 10.5X
200mm	10.0X	70-210mm	3.5X ~ 10.5X
300mm	15.0X	80-250mm	4 X ~ 12.5X
500mm	25.0X	70-350mm	3.5X ~ 17.5X
		200-500mm	10 X ~ 25 X

- The field of view when the tele-view adapter is attached to a camera lens can be found by using the following formulas:

Field of view at 100m	= 2500/focal length
Field of view at 100yds	= 7500/focal length (feet)

For example, to find the field of view when the tele-view adapter is used with the SP 500mm lens at 100m:

$2500/500 = 5M$. At 1,000m the field of view would be 50m.

The field of view for various lenses used with the tele-view adapter at 100m (100 yds) are as follows.

Focal Length	Field of view (m) (Angle of view)	Field of view (ft) (Angle of view)
50mm	50m (28.7°)	150 ft (28.7°)
105mm	23.8 m (13.6°)	71.4 ft (13.6°)
135mm	18.5 m (10.6°)	55.6 ft (10.6°)
200mm	12.5 m (7.2°)	37.6 ft (7.2°)
300mm	8.3 m (4.7°)	25.0 ft (4.7°)
500mm	5 m (2.8°)	15 ft (2.8°)