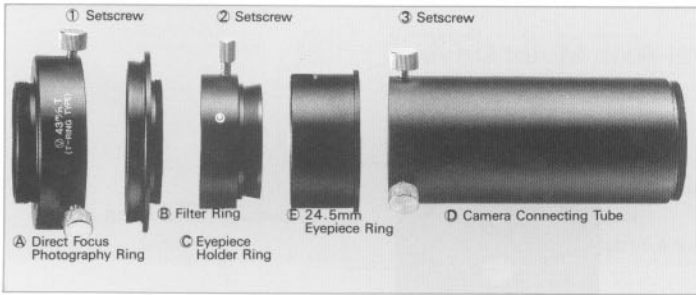


CAMERA ADAPTERS

A camera adapter allows you to attach your camera to the draw tube of your telescope. Optional 36.4mm and 43mm camera adapters are offered. Select what fits your telescope.

Components of the Camera Adapters



Direct Focus Photography

- Mount the **A** direct focus photography ring on the draw tube.
- Mount the camera body to the **B** filter ring with the proper T-ring.
- Insert the camera body into the **A** direct focus photography ring and lock it with the **1** setscrew.
- Filters on the market can be mounted to the **B** filter ring. The 36.4mm camera adapter accepts one 34mm or 40.5mm filter and the 43mm camera adapter accepts one 49mm filter.
- If you use a filter when taking black and white photographs of the Moon or planets, the contrast will be improved. Photographic exposure times will be increased using the filters. The filters listed below are commonly used for astrophotography.

Code	Colour	Object
Y-2	Yellow	Moon, Venus
G-1	Green	Sun (coming close to the horizon)
R-1	Red	Sun, Mars

- To change the photographic angle, rotate the camera after loosening the **1** setscrew or the **2** setscrew.

Note: In case of the direct focus photography with a Newtonian reflector, remove the extension tube from the draw tube, or it can not be focused.

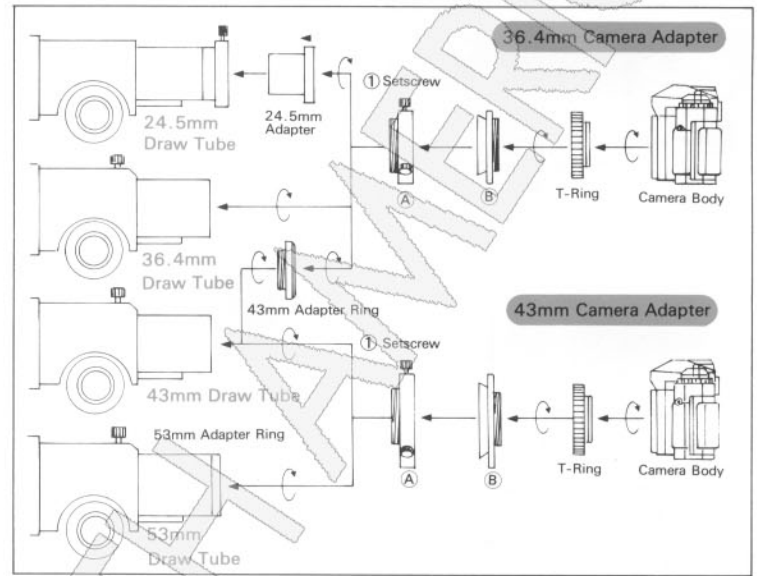
Telescopic Photography

- Mount the **A** direct focus photography ring on the draw tube.
- Screw the **C** eyepiece holder ring onto the **B** filter ring.
- Insert the coupled **B** and **C** into the **A** direct focus photography ring and lock them with the **1** setscrew.
- When using a 31.7mm eyepiece, insert it into the **C** eyepiece holder ring and lock it with the **2** setscrew.
- When using a 24.5mm eyepiece, insert the **E** 24.5mm eyepiece ring into the **C** eyepiece holder ring first and then insert the eyepiece into the **E** 24.5mm eyepiece ring. Lock it with the **2** setscrew.
- Attach the **D** camera connecting tube to the camera body with the proper T-ring.

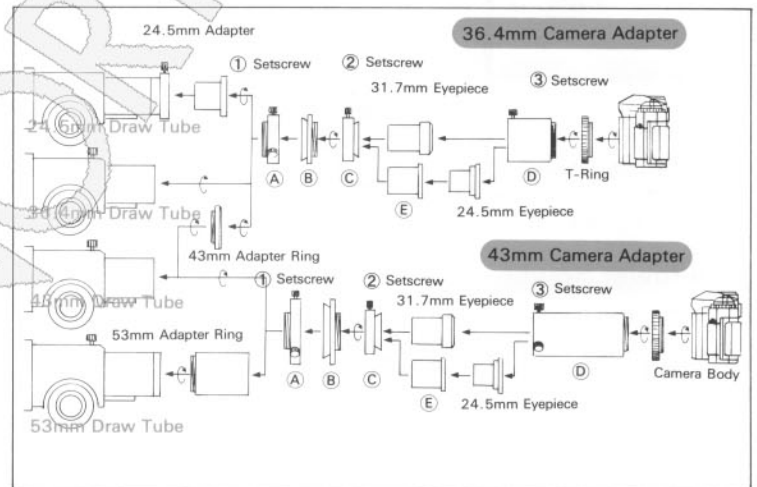
Note: In case of the telescopic photography with a Newtonian reflector, attach the extension tube to the draw tube, or it can not be focused.

Attaching the Camera Adapters

- When attaching the camera adapters, keep in mind the following.
- To attach the 36.4mm camera adapter to a 36.4mm draw tube, an eyepiece holder has to be removed from the draw tube. To a 43mm draw tube, the 36.4mm camera adapter can be attached after removing an eyepiece holder from the draw tube, and the 43mm camera adapter can be also attached if a 43mm adapter ring is removed further from the draw tube. If you use the larger 43mm camera adapter on the 43mm draw tube, the edges of a photograph will be less darkened.
 - For a 24.5mm draw tube, use an optional 24.5mm adapter and attach the 36.4mm camera adapter to it.
 - An optional T-ring is needed to couple your 35mm camera body to the 36.4mm or 43mm camera adapter. Attach the proper T-Ring for your camera (see below).



Note: For the refractors 80M, 90M, 102M, FL70S, FL80S, FL90S and FL102S, the 43mm camera adapter is recommended not to darken the edges in the photograph.



T-Rings

The T-ring couples your 35mm camera body to the camera adapters.

T-RING TYPE	CAMERA MODELS
Nikon	F2-Photomic, F2-Photomic (A, AS, SB), F2, F3, FE, FM, EM, Nikomart (EL, EL2, FT, FT2, FT3), FE2, New FM2, FG, FG-20, FA, F4, F4S, F4E, F801S, F-801, F-601, F-601M
Canon	AE-1, EF, A-1, AV-1, F-1, FTb, FT, T80, T70, T50, AE-1 Program, T90
Minolta	X-1, XG-(S, E), XD, XD-S, X-7, XE, SR505, SR101, SRT Super 101, X-700, X-600, X-500
Olympus	OM (1, 2, 3, 4, IN, 2N, 10, 20, 30, 40, 101)
Pentax K	ME, MX, K2, KX, KM, MV-1, LX, Super A, AE-F, ME Super, MG, A3 Date, SFXW, SF7, P30N, Ricoh (XP-P, XR-3, XR-7, XR500 Auto, XR-1, XR-2, XR-500), VX-1
Konica	FS-1, ACOM-1, T3, FTA, New (T3, FTA), TC-X

T-RING TYPE	CAMERA MODELS
Contax	RTS, 139 Quartz, 137MD Quartz, 137MA Quartz, 167MT, 159MMRTSII Quartz, FR-1, FR-II, FX-D Quartz, FX-3, RTS-III
Practica (thread mount)	Pentax (ES, ES-II, SPF, SP-II), Yashica (Electro X, TTS, FFT), Fujica (ST901, 801, 701, 605), Mamiya (Secor 500DTL, 1000DTL, MSX500), Ricoh (TLS401, TL-S, XR-10M, Auto), Petri MF-1, Practica LLC
Minolta α	α 5000, α 7000, α 9000, α 7700i, α 8700i, α 5700i, α 3700i
Yashica AF	Kyosera (230-AF, 210-AF)
Canon EOS	EOS (650, 620, 1HS, 1, 10QD, 1000QD, 630QD, 700QD, RT)
T-C Ring (for camcorder)	Sony EVC-X10 CCD Camera Canon C1-20R