

DIGITAL CAMERA ADAPTER INSTRUCTIONS

Parts List for DEC Models;

DEC-0028 - Digital camera adapter ring for 28mm filter threads

DEC-0037 - Digital camera adapter ring for 37mm filter threads

- 1) Filter thread to eyepiece adapter ring
- 2) 7/64" Allen wrench

Parts List for DRA Models;

DRA-0028 - Digital camera to Radian adapter for 28mm filter threads

DRA-0037 - Digital camera to Radian adapter for 37mm filter threads

DRA-0049 - Digital camera to Radian adapter for 49mm filter threads

- 1) Filter thread to eyepiece adapter ring
- 2) 2" Radian adapter housing
- 3) 7/64" Allen wrench

Introduction

Tele Vue digital camera adapters allow solid, accurate attachment of digital cameras to appropriate Tele Vue eyepieces for "afocal" imaging. "Afocal" means collimated light between the telescope eyepiece and camera lens. To minimize vignetting and maximize image quality, we suggest using the following Tele Vue eyepieces, as their long eye relief best matches the internal pupil of the camera lens; 32mm Plossl, 35mm Panoptic, all Nagler Type 4s, 31mm Nagler Type 5 and all Radian and Delos focal lengths. Radian eyepieces require the adapter included with DRA-XXXX models.

One more thing to note is that because camera pupils move with zooming, you may find minimum vignetting at the extremes of zoom positions. Results will vary depending on the camera used.

Use

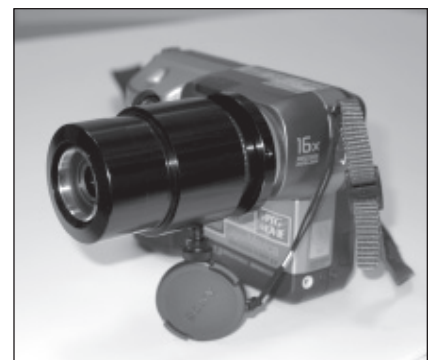
- 1) Remove rubber eyeguard from eyepiece.
- 2) Place the filter thread to eyepiece adapter ring over the eyepiece.
- 3) Tighten the 3 cap head screws by hand, or with the supplied wrench. (If using Radians proceed to step 4, for other eyepieces skip to step 5.)
- 4) When using Radian eyepieces, keep the Instadjust eyeguard in the down position. Insert the eyepiece fully into the 2" adapter housing. The plastic screws in the 2" adapter housing are used to lock the Instadjust housing to the Radian body, thereby eliminating the possibility of camera rotation.
- 5) Screw adapter and eyepiece onto camera lens
- 6) Put the assembly back into the telescope and you're set for effective afocal imaging.
- 7) Note there is extra clearance in the filter adapter to allow use of Nagler Type 4 eyepieces. This requires a centering adjustment when using Plossl, Panoptic and Radian eyepieces. To center the image, thereby minimizing vignetting, turn the cap head screws as needed to center the image on your camera's view screen.



Filter Adapter Ring in place of eyeguard



Radian locked in place



Ready to slip into telescope's focuser