

# Vixen<sup>®</sup>

## Using the Focal Reducer ED0.67×

● The Focal Reducer ED0.67× is designed exclusively for imaging with Vixen ED81S, ED103S or ED115S refractors. For prime focus SLR camera astrophotography, both an optional 60mm wide photo adapter and an optional T-ring appropriate to your SLR camera are required.

● The Focal Reducer ED0.67× will reduce telescope focal lengths as follows:-

ED81S : Focal Length 625mm (F/7.7) → 419mm (F/5.2)

ED103S : Focal Length 795mm (F/7.7) → 533mm (F/5.2)

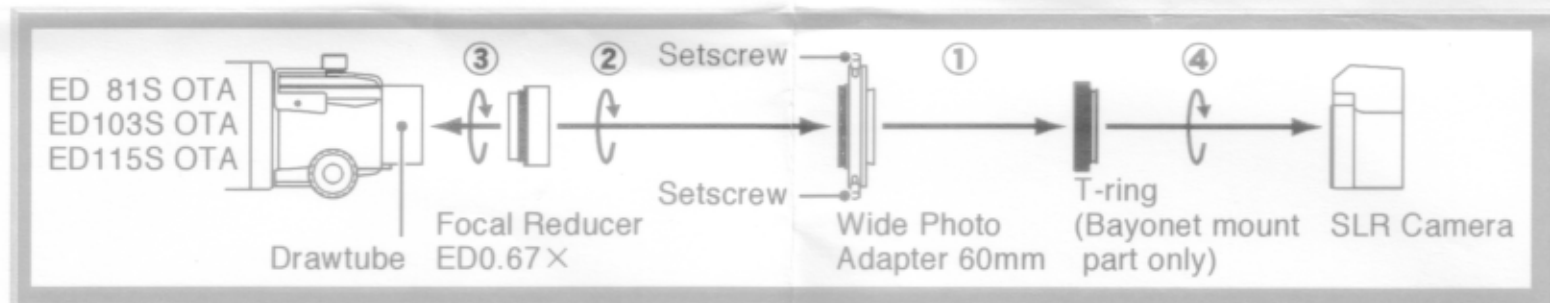
ED115S : Focal Length 890mm (F/7.7) → 596mm (F/5.2)



### Attaching the Focal Reducer ED0.67×

Preparation : The outer bayonet mount part of the SLR T-ring is required. Loosen the setscrews on the T-ring in order to remove the inner ring.

- ① Attach the T-ring with bayonet mount part to the wide photo adapter 60mm and tighten the setscrews.
- ② Screw the Focal Reducer ED0.67× onto the wide photo adapter as shown in the figure below.
- ③ Next, screw the other side of the Focal Reducer ED0.67× into the drawtube of a telescope.
- ④ Then, attach the SLR camera body onto the T-ring.



Note : The Focal Reducer ED0.67× is not available for visual observation as the telescope's focal length to the focal plane is widely shifted from the original position.