

# Vixen®

## Using the Focal Reducer ED0.67X

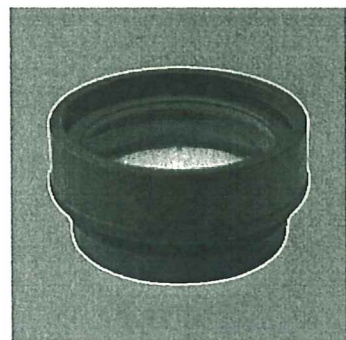
- The Focal Reducer ED0.67X is designed exclusively for imaging with Vixen ED81S, ED103S or ED115S refractors. For prime focus SLR camera astrophotography, both an optional 60mm wide photo adapter and an optional T-ring appropriate to your SLR camera are required.

- The Focal Reducer ED0.67X 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)

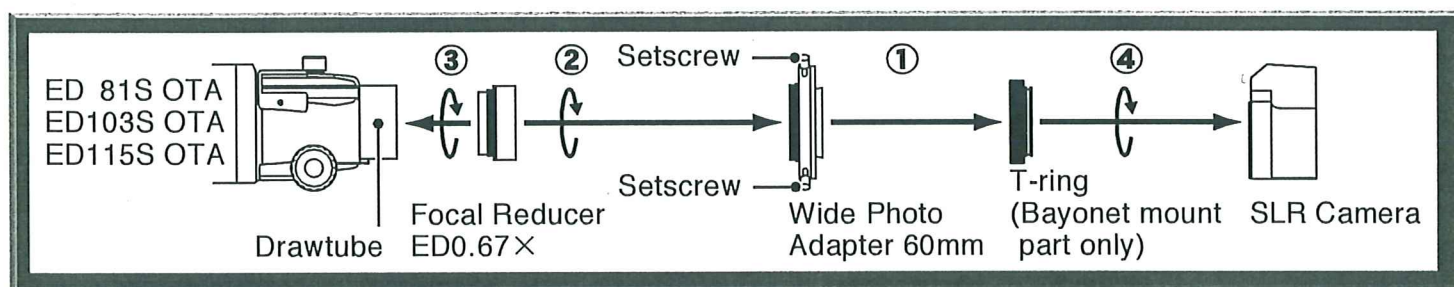
ED115S : Focal Length 890mm (F/7.7) → 596mm (F/5.2)



### Attaching the Focal Reducer ED0.67X

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 ED0.67X onto the wide photo adapter as shown in the figure below.
- ③ Next, screw the other side of the Focal Reducer ED0.67X into the drawtube of a telescope.
- ④ Then, attach the SLR camera body onto the T-ring.



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

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