

Vixen®

Using the Focal Reducer AX103S 0.7X

(For APS-C format cameras)

- The Focal Reducer AX103S 0.7X is designed exclusively for imaging with Vixen AX103S APO MAX refractor telescope.
For prime focus (D)SLR camera astrophotography, both an optional 60mm wide photo adapter and an optional T-ring appropriate to your (D)SLR camera are required.
- The Focal Reducer AX103S 0.7X will reduce a telescope focal length as follows:-

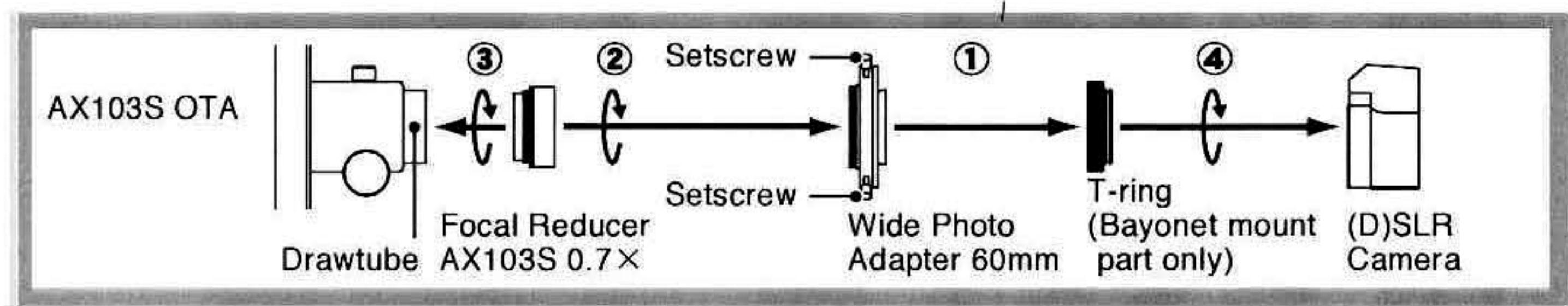
AX103S : Focal Length 825mm (F/8.0) → 578mm (F/5.6)



Attaching the Focal Reducer AX103S 0.7X

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 AX103S 0.7X onto the wide photo adapter as shown in the figure below.
- ③ Next, screw the other side of the Focal Reducer AX103S 0.7X into the drawtube (or the focusing mount) of a telescope.
- ④ Then, attach the (D)SLR camera body onto the T-ring.



Note : - The Focal Reducer AX103S 0.7X is not available for visual observation as the telescope's focal length to the focal plane is widely shifted from the original position.

- Be sure to use the wide photo adapter to exactly hold the distance from the rear lens surface of the built-in corrector lens in the focuser.
- Because of a limited image circle, a (D)SLR camera with full 35mm film-format generates vignetting, light loss toward the edge of the field and deteriorated star images.

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