Instruction Sheet

HOTECH SCA Field Flattener

SCA FIELD FLATTENER FOR YOUR REFRACTOR IMAGING

Thank you for purchasing the state-of-the-art HOTECH SCA Field Flattener for your camera. This field flattener is fully multi-coated on two-element lens allowing the most efficient light transmission without sacrificing the precious collected light from your telescope. The SCA FFL accommodates f/5 to f/8 refractor telescope providing sharp image across the field. Our Self-Centering Adapter is an innovative adapting mechanism provides repeatable and stable connection between the camera and the telescope. We will demonstrate the SCA FFL installation on a 2" Crayford focuser which represents most imaging focuser. For additional information, please visit our website, www.hotechusa.com, or call us for details.

Technical Specification:

- Fully multi-coated two-element high efficiency flattener lens
- Accommodates f/5 to f/8 refractor telescopes
- Accepts 2" / 48mm (M48-P0.75) filter thread
- 55mm back focus distance.
- Zero reducer
- Built-in 2" SCA Adapter for a secure fit in focuser
- Standard T-thread for most imaging cameras attachment

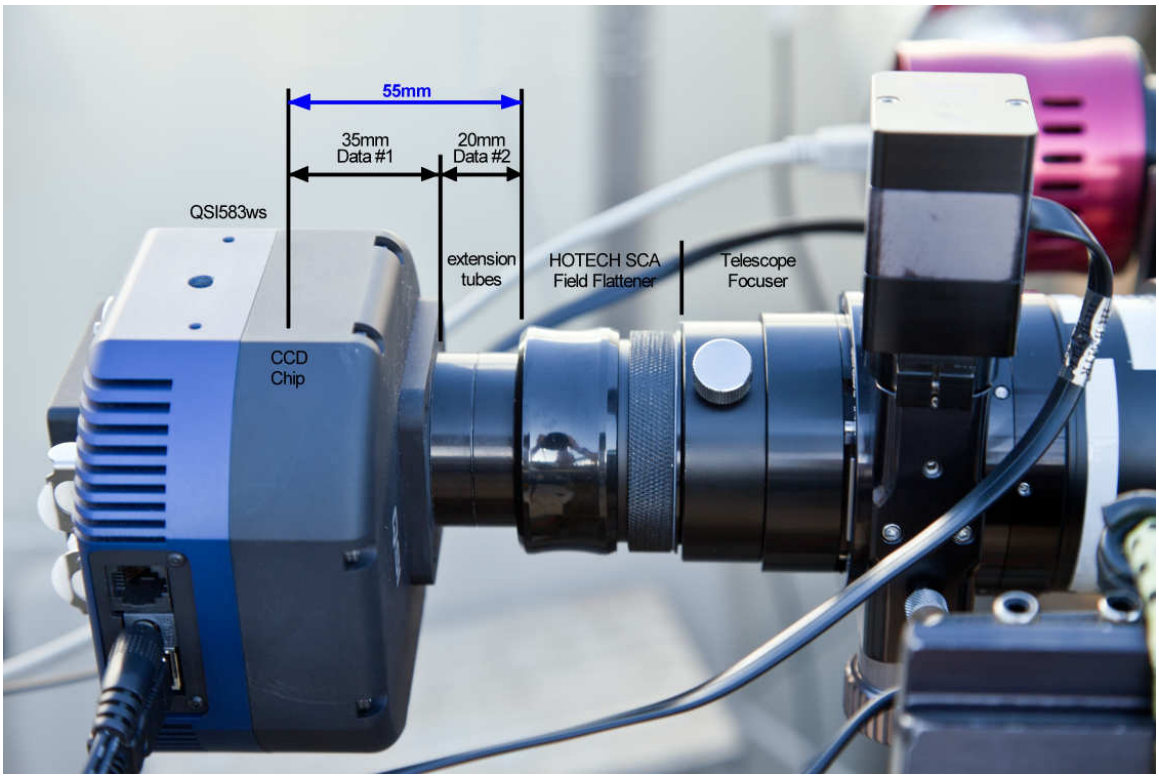
Configuring Proper Spacing:

The space between the CCD chip to the T-Thread shoulder of the SCA Field Flattener is 55mm (see photo below). To achieve the proper spacing, user will need to know the following information:

1. Distance between the CCD chip to the camera T-Thread. This information should be available from the CCD mfg.
2. Space need to reach the total 55mm. Subtract the first data (CCD chip to camera T-Thread) from 55mm then find the appropriate length T2-Extension Tube from telescope equipment dealer to add up the remaining space.

Example in photo:

- Data #1: QSI583ws CCD Imager has 35mm distance from the CCD chip to the camera's T-Thread shoulder.
- Data #2: 55mm total required distance – 35mm(Data #1) = 20mm. We use two 10mm T2-Extension Tube daisy link for a 20mm total matching distance to the SCA Field Flattener.



For more information on how to use the SCA mechanism, please visit our YouTube videos at www.YouTube.com/Hotechusa. Please review the two videos, Installing HOTECH SCA Laser Collimator and Uninstalling HOTECH SCA Laser Collimator. For other inquires, please email us at info@hotechusa.com.