

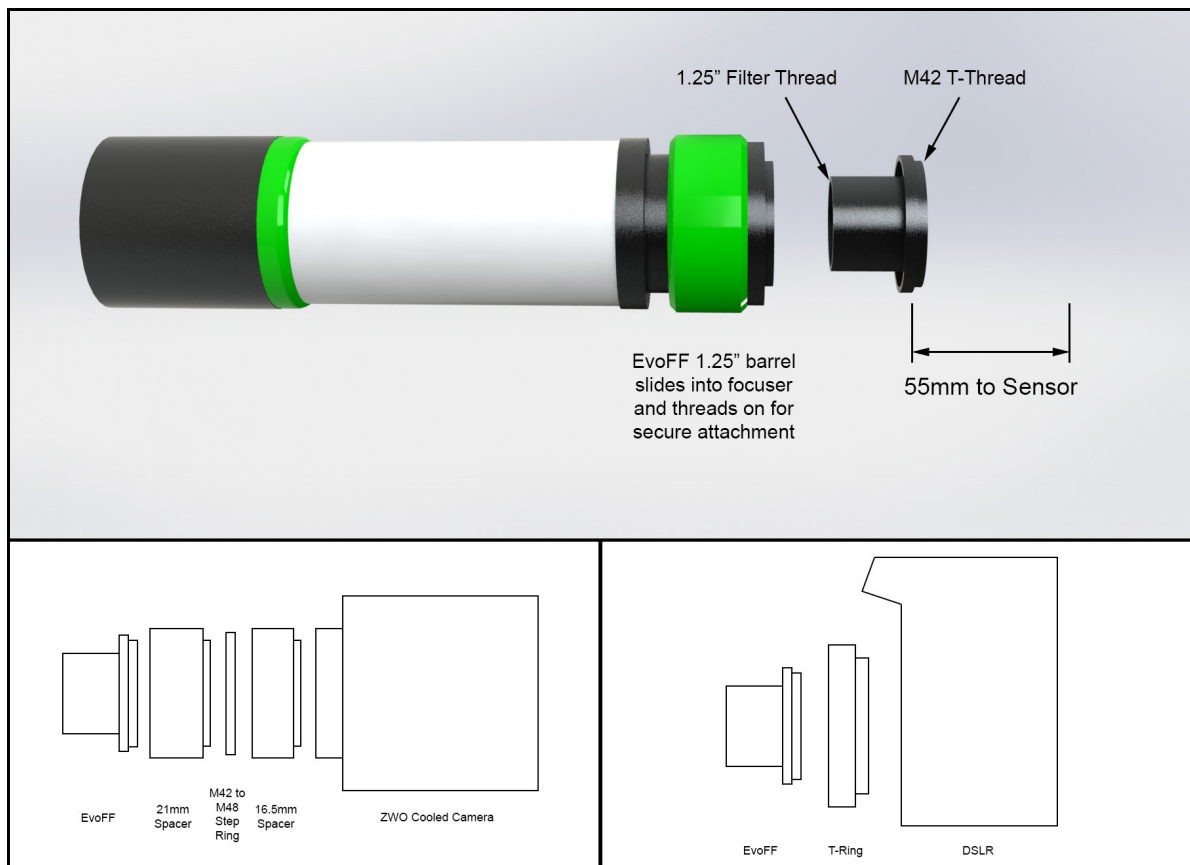
Starizona EvoFF v2

Field Flattener for EvoGuide 50ED

The Starizona EvoFF field flattener turns the Skywatcher EvoGuide 50ED refractor into an adorable but awesome little imaging telescope. The EvoFF is compatible with a variety of cameras including DSLRs, mirrorless cameras and astronomical CMOS cameras. It provides sharp star images over a 28mm image circle, covering up to APS format sensors. With an APS-format camera, the field of view is an impressive 6.4 degrees!

Camera Backfocus

The EvoFF requires a 55mm backfocus distance for optimum performance. This distance accommodates a wide variety of cameras including DSLRs and cameras using filter wheels or filter drawers.



Using a DSLR and T-ring is simple since the backfocus is then a standard 55mm. Many mirrorless cameras also have longer T-rings that provide a 55mm distance. For using an astronomical CMOS camera, you will need spacers to achieve the required 55mm. The ZWO cooled cameras, for example, include the necessary 16.5mm and 21mm spacers. For other cameras you may need optional spacers. Please contact if you have questions on setting up the correct backfocus.

Installing the EvoFF

The EvoFF optics are housed in a 1.25" barrel, but the EvoFF version 2 also has female M42 T-threads on the telescope side for a secure mounting. It is possible to thread a standard 1.25" filter onto the front of the EvoFF barrel.

Begin by removing the extension tube from the EvoGuide focuser.



Be sure the three thumb screws are backed out far enough that they do not interfere with sliding the 1.25" barrel into the focuser. Then insert the EvoFF into the focuser and thread in into place. (There is often a little push back from the air in the tube, so don't be surprised at that.) You can then tighten the three thumbs screws for added security. Just don't forget to loosen them before removing the EvoFF!





Add the camera and any necessary spacers and you are ready to go! The focuser will be most of the way in toward the telescope when using the EvoFF, so you may have to thread the green helical focuser ring clockwise (as viewed from the camera end) most of the way to reach focus. The helical is surprisingly fine and makes focusing for imaging very easy. If you have used a similar mechanism on a camera lens you will be pleasantly surprised how much easier it is to use the EvoGuide focuser.

