CELESTRON®

.7x Reducer Lens – EdgeHD 800

Instruction Manual – Model #94242



Your .7x reducer lens makes your EdgeHD 800 telescope one full F-Stop faster than at f/10. Photographically this will enable you to reduce your exposure times by one-half and still capture the same amount of light, while providing a 43% wider field of view.

Telescope Model	f/2.1 Configuration	.7x Reducer Lens	Standard f/10 Configuration
8”	425 mm (17”)	**1422 mm (56”)**	2032 mm (80”)

Focal lengths for the EdgeHD 800 in its native format (f/10), with the .7x Reducer Lens and with optional f/2 lens assembly.

Attaching the Reducer

1. Remove the visual back from the rear of the telescope.
2. The focal reducer threads directly onto the rear adapter plate (see Figure 1) of your EdgeHD telescope.
3. Attach your T-Adapter (#93644, sold separately) onto the rear threads of the focal reducer and remove its threaded extension (see Figure 2).

Camera Spacing

The optimum photographic back focus of the EdgeHD 8” is 133 mm at f/10, and 105 mm when used with the Reducer Lens at f/7. The optional T-Adapter for EdgeHD 8” (#93644) works in both configurations when used with a DSLR, Nightscape, or any other camera with 55 mm back focus. When imaging with the Reducer lens, remove the threaded extension of the T-adapter to reach optimum back focus.

For best performance, it is highly recommended that you position your camera as close to the recommended optimal spacing as possible. It is best to maintain optimal spacing to within 1-3 mm depending on the size of your imaging sensor. As your imaging chip gets larger (farther off-axis), maintaining optimal spacing becomes more critical. Being inside of focus (too short) tends to affect the outermost edge of the field of view when using a relatively large sensor (17 mm or greater). Being outside of focus (too long) tends to produce elongated star images towards the edge and could run the risk of running out of focus travel on your EdgeHD optical tube. In general it is better to be slightly inside of focus than outside of focus.

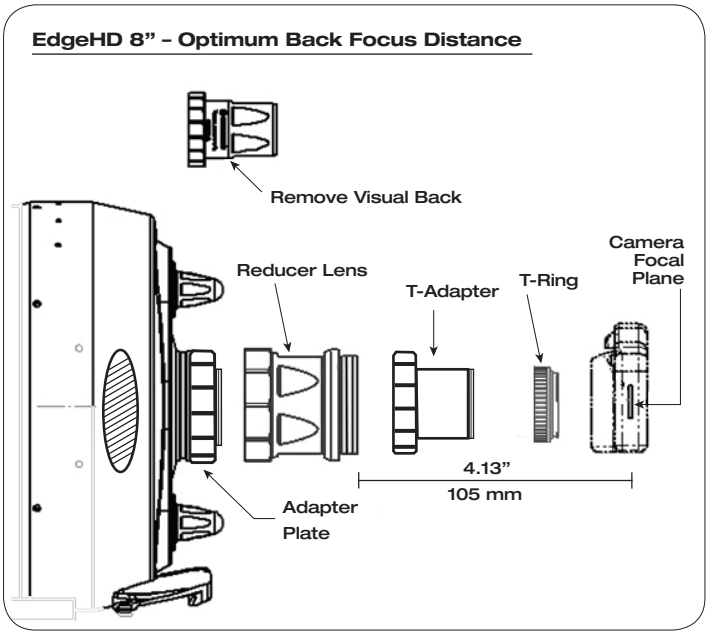


Figure 1 – Optimum Spacing for EdgeHD 8”

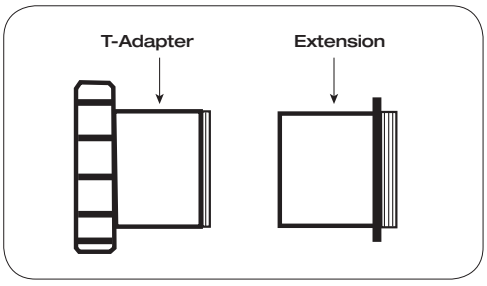


Figure 2 – T-adapter and extension

Warranty: Two year limited warranty.
For complete warranty details contact Celestron or visit:
WWW.CELESTRON.COM

Celestron LLC • 2835 Columbia Street • Torrance, CA 90503
Phone: 800.421.9649 • Fax: 310.212.5835
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