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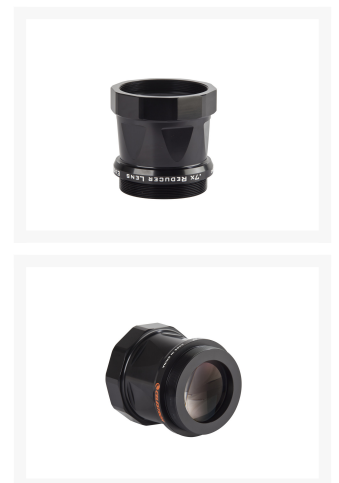
Opening Hours
10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron Reducer Lens 0.7x - EdgeHD 14 Inch

AUD
\$1,999.00

Product Images



Short Description

- The EdgeHD .7x Focal Reducer Lens makes your EdgeHD 1400 one full F-Stop faster than f/11, reducing your exposure time by half to capture the same brightness of object
- 5-element lens design
- Maintains similar flat-field performance as native EdgeHD optical design
- Increases field of view by 43% to better capture wide field images
- Threads directly onto the 3.25" threads of the EdgeHD which reduces mechanical vignetting and allows for use with larger (full frame) sensors and Off-Axis Guiders
- Maintains the identical back focus when used at f/11 and provides generous back focus to accommodate additional accessories and wide variety of cameras
- Allows use of existing EdgeHD T-Adapters with or without the Reducer Lens

Description

Celestron's new EdgeHD reducers feature a custom 5 element optical design engineered to maintain the flat-field performance of our award winning EdgeHD optical system. Unlike generic reducers, our premium reducers provide substantial back focus to accommodate an assortment of imaging accessories.

EdgeHD reducers offer high index optical elements, including extra low dispersion, exotic Lanthanum elements, which provide high contrast viewing while minimizing chromatic aberration. All air to glass lens surfaces feature multiple layers of coating for maximum light transmission and color correction and contain blacken edges to minimize internal reflection and maximize image contrast. Large diameter lens elements, up to 60 mm clear aperture, ensure that the optimized image circle remains at a generous 42 mm for use with large CCD sensors.

Incorporating computer assisted CNC machined aluminum housing, for precise spacing and alignment of optical elements, and threaded metal covers on the lens assembly to protect your investment from dust and scratches, our reducers offer you an outstanding mechanical design.

With the faster option on all EdgeHD optical systems, coupled with the .7x reducer, your telescope becomes the most complete imaging system available in its price range today.

Performance

- **Design:** 5-element optical layout designed specifically for the EdgeHD 14" to maintain the flat-field performance of the EdgeHD optical design
- **Maintains the same back focus as when used at f/11:** Unlike generic reducers the EdgeHD .7x provides generous back focus to accommodate additional accessories and a wide variety of cameras. Also allows use of existing EdgeHD T-Adapters and other Celestron imaging accessories
- **One full F-Stop faster than f/11:** Reduces the exposure time by half to capture the same brightness of object
- **Increase field of view by 43%:** Better for capturing wide field images of larger galaxies and nebulae

Glass

- **Lanthanum Glass Elements:** EdgeHD reducer uses "rare earth" Lanthanum glass elements for clear, high contrast viewing while minimizing chromatic aberration
- **Fully multi-coated lens elements:** All air-to-glass surfaces have multiple layers of coating for maximum light transmission and color correction
- **Blacken edges:** All lens elements have blacken edges to minimize internal reflection and maximize contrast

Full Frame Design

- **Threads directly onto the 3.25" threads of the EdgeHD optical tube:** Reduces mechanical vignetting and allows for use with larger (full frame) sensors and Off-Axis Guiders
- **Clear aperture:** 60 mm clear aperture lens optimized for a 42 mm image circle for use with large CCD sensors.

Mechanical Design

- **Machined aluminum housing:** Computer assisted CNC machined aluminum housing for precise spacing and alignment of the optical elements.
- **Threaded metal covers for both ends of the lens assembly:** To protect your investment from unwanted dust and scratches.

Versatility

- **Faster compatibility and f/2 imaging with optional accessory:** the EdgeHD is the most complete imaging system in its price range.

Additional Information

Specifications	Optical Coatings	Fully multi-coated
	Weight	3.25 lbs (1.47 kg)
	Compression Factor	.7x
	Lens Elements	5-Element
	Optimal Back Focus	146mm (5.75")