EdgeHD™ Optics

SEE THE UNIVERSE IN HD

Introducing Celestron's New Aplanatic Schmidt Telescope Design!

- Visibly Sharper Images
- Superior Performance
- Enhanced Mechanical Features
- Fastar® Compatible

EdgeHD is an aplanatic Schmidt telescope designed to produce aberration-free images across a wide visual and photographic field of view. The optical system was designed to reduce more than just off-axis star coma, but also to give an astrograph quality flat focal plane all the way to the edge of the field of view.

TRUE ASTROGRAPH QUALITY

Many optical designs that advertise themselves as "astrograph" quality actually only produce pinpoint stars across a curved focal plane. While this may be acceptable for visual observing, stars will appear out of focus at the edge when used with a flat chip sensor of a digital camera. EdgeHD optics produce a focal plane more than three-times flatter than a standard Schmidt Cassegrain telescope and dramatically flatter than other competing coma-free designs. This guarantees you visibly sharp stars across some of the largest CCD chips available today.

IMPROVED PERFORMANCE

Superior edge performance not only creates rounder, more pleasing stars but actually improves the resolution and limiting magnitude when compared to telescopes of equal aperture.

STARBRIGHT XLT® COATINGS

Coupled with Celestron's StarBright XLT coating group on every surface, EdgeHD optics gives you maximum light throughput across the widest visual and photographic spectrum.

CGE Pro 1400 HD

For Complete Information, Visit: www.celestron.com.

EDGEHD OPTICS

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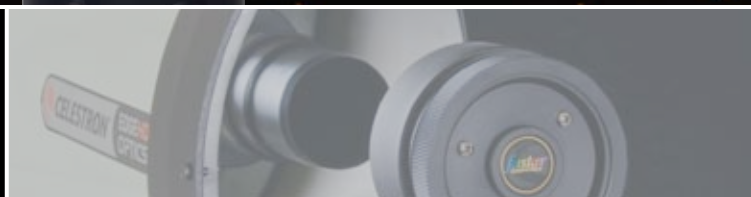

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MECHANICAL FEATURES

In addition to Celestron's new optimized optical design, the EdgeHD tube has been redesigned to make sure you get the most from your optics each and every night.

MIRROR CLUTCHES – Flexible tension clutches hold the mirror in place and reduce image shift when rotating the tube around the mount. The flexible rods allow the mirror to be held in place without putting any force or pressure on the mirror assembly, keeping the image centered in the eyepiece (or chip).

TUBE VENTS – Cooling vents located on the rear cell allow hot air to be released from behind the primary mirror. Each vent has an integrated 60 micron micro-mesh filter guaranteed to let warm air out without letting dust in.

FASTAR VERSATILITY – The EdgeHD is the most versatile imaging scope available today. At its native f/10 you can achieve the image scale necessary to capture the smallest of deep sky objects. With the optional reducer lens (coming soon) you can increase your field of view without sacrificing optical performance. A barlow gives you the added power for high resolution planetary, lunar and solar imaging. And of course all EdgeHD optical tubes are Fastar® compatible for ultra fast f/2 wide field imaging. Each tube has been fitted with a removable secondary mirror and are opto-mechanically aligned on a laser bench to ensure they are axially symmetric in any configuration.

SPECIFICATIONS

CGE PRO SERIES with EDGEHD OPTICS

MODEL	ITEM #	FOCAL LENGTH	EYEPIECES	FINDER SCOPE	OPTICAL COATING	OPTICAL DESIGN	TELESCOPE WEIGHT
CGE PRO 925 HD	11092	2350 mm f/10	23 mm Axiom – 2" (102x)	9x50	Starbright XLT	Aplanatic Schmidt	196 lbs
CGE PRO 1100 HD	11093	2800 mm f/10	23 mm Axiom – 2" (122x)	9x50	Starbright XLT	Aplanatic Schmidt	204 lbs
CGE PRO 1400 HD	11094	3910 mm f/11	23 mm Axiom – 2" (170x)	9x50	Starbright XLT	Aplanatic Schmidt	243 lbs

CGEM SERIES with EDGEHD OPTICS

MODEL	ITEM #	FOCAL LENGTH	EYEPIECES	FINDER SCOPE	OPTICAL COATING	OPTICAL DESIGN	TELESCOPE WEIGHT
CGEM 800 HD	11080	2032 mm f/10	40 mm – 1.25" (51x)	9x50	Starbright XLT	Aplanatic Schmidt	88 lbs
CGEM 925 HD	11081	2350 mm f/10	23 mm Axiom – 2" (102x)	9x50	Starbright XLT	Aplanatic Schmidt	113 lbs
CGEM 1100 HD	11082	2800 mm f/10	23 mm Axiom – 2" (122x)	9x50	Starbright XLT	Aplanatic Schmidt	120 lbs

For complete specifications and product information, visit: www.celestron.com

Product design and specifications are subject to change without prior notification.

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