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Celestron 1100 EdgeHD EQ6-R Bundle

AUD
\$9,699.00

Product Images



Short Description

Celestron's EdgeHD is an aplanatic, flat field Schmidt-Cassegrain telescope that produces aberration-free images across a wide visual and photographic field of view.

- EQ6-R Equatorial Go-To Mount
- Belt driven transmission for limiting the backlash
- Adjustable steel tripod with an accessory tray
- Illuminated polar scope included for precise polar alignment
- Bubble level for perfect levelling
- Aluminium setting circle dials allow for quick target acquisition via celestial coordinates
- Worm gear tracking controls provides a full 360° manipulation of the RA and DEC axis
- V and D style telescope connection
- Freedom Find™ encoders
- Permanent Periodic Error Correction (PPEC)

CELESTRON 11" EDGEHD OTA

Experience the best optical performance with EdgeHD's aplanatic, flat field Schmidt-Cassegrain optics for pinpoint stars all the way to the edge of today's largest imaging sensors and widest eyepieces.

Aluminum optical tube with tube vents featuring an integrated 95-micron mesh filter allows hot air to be released from behind the primary mirror. Mirror support knobs hold the mirror in place and reduce image shift during imaging.

Versatile design accommodates 3 focal ratios: native f/10, f/7 with the addition of a focal reducer, or ultra-fast f/2 imaging with a removable secondary mirror and third-party accessories.

Celestron's premium StarBright XLT coatings provide maximum light transmission.

A 9x50 finderscope, 2" mirror diagonal for more comfortable viewing, and wide-angle 23 mm Luminos 2" eyepiece are all included.

SKY-WATCHER EQ6-R EQUATORIAL GO-TO MOUNT

The Sky-Watcher EQ6-R Belt Driven Equatorial Mount is the result of years of improvement for a better tracking and reduced backlash in the EQ6 design. The new transmission belts between the motors and worm gears limit the backlash for a superior guiding accuracy. The integrated bubble level and the adjustable tripod legs make the levelling easy, the azimuth and altitude axis can be fine adjusted for a precise polar alignment. On top of that, the included polar scope allows an extremely precise alignment that helps to drastically improve the quality of tracking for astrophotography.

The new features of the EQ6-R are:

- Transmission belt
- Heavy duty knobs for azimuth and altitude adjustment
- Handle on the right ascension axis
- Wider latitude range (5°-65°)

The exceptional SynScan Go-To system allows full control of both R.A. and Dec. axes with 9 slew speeds and 5 arcminute pointing precision, allowing you to quickly and accurately locate objects across the night sky. The Go-To system can automatically slew the telescope on command toward planets, stars, nebulae, galaxies, clusters and much more. The SynScan has 42,900 memorised celestial objects for an amazing journey in the night sky. The Deep Sky Tour function suggests a list of the most interesting deep sky objects currently visible, so even the novice astronomer can easily observe faint objects at the touch of a button.

The EQ6-R is equipped with a SNAP port for controlling the camera shutter release. Working with the SynScan hand control's "Camera Control" function, a user can take batch exposures in up to 8 groups of "Exposure-time & Frames".

Specifications

Optical Tube Specifications

Optical Design	EdgeHD
Aperture (mm)	279.4 mm (11")
Focal Length	2800 mm (110")
Focal Ratio	10
Focal Length of Eyepiece 1 (mm)	23 mm (0.91")
Magnification of Eyepiece 1	122x
Finderscope	9x50
Star Diagonal	2" w/ 1.25" adapter
Optical Tube	Aluminum
Highest Useful Magnification	660x
Lowest Useful Magnification	40x
Limiting Stellar Magnitude	14.7
Resolution (Rayleigh)	0.5 arc seconds
Resolution (Dawes)	0.42 arc seconds
Light Gathering Power (Compared to human eye)	1593x
Secondary Mirror Obstruction	95 mm (3.75")
Secondary Mirror Obstruction by Diameter	34%
Secondary Mirror Obstruction by Area	12%
Optical Coatings	StarBright XLT
Optical Tube Length	610 mm (24")
Optical Tube Weight	28 lbs (13 kg)
Dovetail Compatibility	CGE Mount

MOUNT SPECIFICATIONS

Model Number	SWEQ6-R
Mount Type	German Equatorial Mount
Tripod Material	Steel
Telescope Mounting	V and D Style
Payload	20kg
Mount Head Weight	17.3kg
Tripod Weight	4.5kg
Counterweight Bar Diam.	18mm
Counterweight Bar Length	240mm + 180mm (extension)
Latitude Range	5-65°
Azimuth Range	+/- 9°
Power Requirement	DC 12~16V - 2A
Pointing Accuracy	up 5 arc. min.
Slewing Speed	up to 3.4°/sec (800X)
Guiding Speed	0.125X, 0.25X, 0.50X, 0.75X, or 1X
Motors Resolution	approx. 0.14 arc-second (9216000 Counts/Rev)