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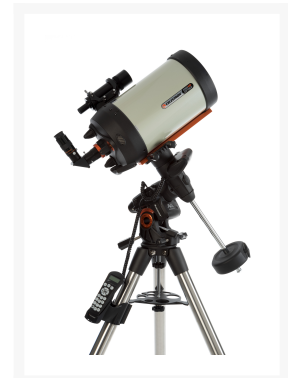
Opening Hours
10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron Advanced VX with EdgeHD 8 Inch OTA

AUD
\$4,999.00

Product Images



Short Description

- 8" (2032 mm) f/10 Edge HD includes StarBright XLT coatings for better light transmission
- Edge HD optical design fully corrects for coma and field curvature, delivering a truly flat field
- Built-in tube vents with integrated 60 micron mesh filters allow hot air to be released behind the primary mirror
- The secondary mirror can be removed to allow the installation of Hyperstar and Fastar for fast F/2.8 imaging
- 9x50 optical finderscope for locating alignment stars
- Integer gear ratios and permanently programmable Periodic Error Correction eliminates recurring track errors from the worm gear.
- Autoguider port for long exposure imaging
- New motors offer improved tracking performance & provide more power to overcome load imbalances
- Updated industrial design offers more rigidity, less flexure and improved aesthetics
- New design allows viewing or imaging across the meridian without interference from the motors housings
- Improved latitude range. Can be used between 7 - 77° latitude.
- NexStar+ hand control offers multiple language programming (English, French, Italian, German, Spanish)

Description

This package combines the groundbreaking new Advanced VX mount with Celestron's best optics, the EdgeHD optical system. This setup offers the astroimager maximum versatility – allowing up to 3 different f-stop configurations. Users can attach a camera to the rear of the telescope and shoot at f/10, or attach our 8-inch focal reducer and shoot at f/7. Additionally, EdgeHD is Fastar/Hyperstar compatible, giving imagers the option to shoot at ultra-fast f/2. No matter which configuration you choose, EdgeHD technology gives you pinpoint stars all the way to the edge of the CCD sensor.

With an 8-inch optical tube and our portable Advanced VX mount, this setup can be easily transported and assembled by one person. You'll also have plenty of load capacity to attach your camera and other accessories. This setup is simple enough for a beginner to use, but can also provide years of enjoyment for sophisticated astroimagers.

About the Mount

The new Advanced VX mount was specifically designed to provide optimum imaging performance for smaller telescopes. Now your smaller telescope can take advantage of All-Star Polar Alignment and autoguider support. You'll be able to track through long exposures using permanently programmable periodic error correction. Image across the meridian without doing a meridian flip, so you can seamlessly image the best part of night sky. Advanced VX features significantly larger base castings than our previous design, improving stability under heavier loads. Improved motors offer more torque and can handle slight load imbalances with ease.

Additional Information

Specifications

Aperture (mm)	203 mm (7.99 in)
Finderscope	9x50
Focal Length	2032 mm (80 in)
Focal Length of Eyepiece 1 ...	40 mm (1.57 in)
Focal Ratio	10
Highest Useful Magnification	480 x
Light Gathering Power (Comp...	841 x
Limiting Stellar Magnitude	14
Lowest Useful Magnification	29 x
Magnification of Eyepiece 1	51 x
Mount Info:	N.A.
Optical Design	EdgeHD
Optical Tube Info:	N.A.
Optical Tube Length	17" in (432 mm)
Optical Tube Weight	13 lbs (5.9 kg)
Resolution (Dawes)	0.57 arc seconds
Resolution (Rayleigh)	0.69 arc seconds
Telescope Type	Computerized (GOTO)
Tripod	Adjustable, Stainless Steel
Tripod Leg Diameter	2"
Tripod Weight	18 lbs (8.16 kg)
Warranty	2-year Telescope Warranty
Weight of Counterweights	1 x 12 lbs