

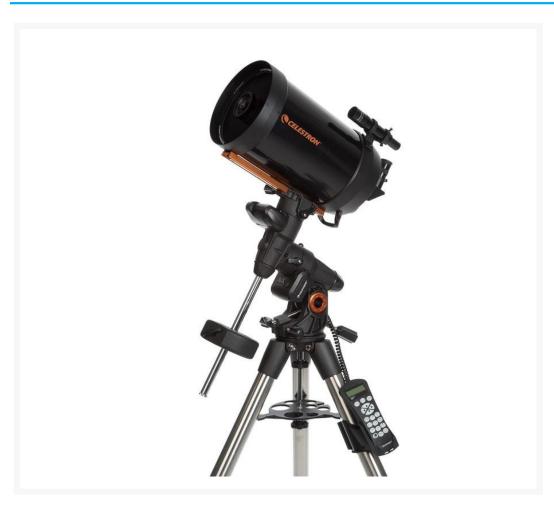
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# **Celestron Advanced VX with C8 SCT**

**AUD** \$4,249.00

#### **Product Images**







### **Short Description**

- 8" (203.2 mm) f/10 Schmidt-Cassegrain includes StarBright XLT coatings for better light transmission
- 84% more light gathering than a 6" telescope.
- 6x30 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**

The iconic 8-inch Schmidt-Cassegrain has been known for decades as Celestron's most beloved telescope. Now beginner to intermediate astroimagers can have their own "C-8" at an extremely affordable price. This classic design has been upgraded with our StarBright XLT coatings for maximum light transmission. Combined with our fully featured Advanced VX mount, you have a setup that is ready for both imaging and visual observing.

#### 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**

	OPTICAL TUBE INFO: Optical Design	Schmidt-Cassegrain
	Aperture	
		203.2mm (8°) 2032mm (80°)
	Focal Length Focal Ratio	f(10
	Focal Length of Eyepiece 1	7,10 25mm (8*)
	Magnification of Eyepiece 1	102x
	Finderscope	6x20
	Star Diagonal	1.25° Star Diagonal
	Optical Tube	Aluminum
	Highest Useful Magnification	490x
	Lowest Useful Magnification	29x
	Limiting Stellar Magnitude	14
	Resolution (Rayleigh)	.69 arc seconds
	Resolution (Dawes)	.57 arc seconds
	Light Gathering Power (Compared to human eye)	843x
	Secondary Mirror Obstruction	64mm (2.5°)
	Secondary Mirror Obstruction by Diameter	31%
	Secondary Mirror Obstruction by Area	9.77%
	Optical Coatings	StarBright XLT
	Optical Tube Length	432mm (17°)
	Optical Tube Diameter	238mm (9.37°)
	Optical Tube Weight	12.5 lbs (5.9 kg)
	Dovetail	Vixen/CG-5 Dovetall bar
	MOUNT INFO: Mount Type	Computerized Equatorial
Specifications	Instrument load capacity	30 lbs (13.6 kg)
	Height adjustment range (includes mount and tripod)	
	Tripod Leg Diameter	50.8mm (2*) Stainless Steel
	Latitude adjustment range	7° - 77°
	Mount Head Weight	17 lbs (7.71 kg)
	Accessory Tray	Yes
	Tripod Weight	18 lbs (8.16 kg)
	Weight of Counterweights	1 x 12 lbs
	Weight of Counterweights Slew Speeds	1 x 12 fbc 9 slew speeds - max speed 4*/second
	Weight of Counterweights Slew Speeds Tracking Rates	1 x 12 lbs 9 slew speeds - max speed 4*)second Sidereal, Solar and Lunar
	Weight of Counterweights Siew Speeds Tracking Rates Tracking Modes	1 x 12 lbs 9 siew speeds - max speed 4*/pecond Sidernal, Solar and Lunar EQ North & EQ South
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	Weight of Counterweights Slew Speeds Tracking Rates Tracking Modes GPS Dovetall Compatibility	1 x 12 lbs 9 sites speeds - max speed 4* hecond Sidernal, Sofar and Lunar EQ North & EQ South NA VixenQCS 5 and 8e plate
	Weight of Counterweights Sizes Speeds Tracking Modes GS Doverhall Compatibility Number of Auxillary ports	1 x 12 lbs 9 slew speeds - max speed 4*/vecond Siderend, Solar and Lunar EQ North & EQ South NA VivenyCGS saddle plate 3 Aux ports (1 hand control and 2 AUX ports for optional accessaries
	Weight of Counterweights Slew Speeds Tracking Rates Tracking Modes GPS Dovetall Compatibility	1 x 12 lbs 9 slew speeds - max speed 4 'yecond Siderand, Soliz and Lunar EQ North & EQ South NA VerentCG-5 saddle plate 3 Aux ports (1 hand control and 2 AUX ports for optional accessories Yes
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	Weight of Counterweights Sizes Speeds Tracking Modes GPS Dovetall Competibility Number of Auxillary ports Autoguide port USB Port Power Requirements Moder Drive Alignment Procedures Period Error Correction Computatives Hand Control NesSizer- Database Software	1 x 12 fbs 9 slew speeds - max speed 4*/second Siderwal, Solar and Lunar 60 North & EX South NA VivenCCS 3 addle plate 3 Aux ports (1 hand control and 2 AUX ports for optional accessories Yes Yes, input on Hand Control 12V CS 33 R (ip positive) DC serve motors 2-date Align, 1-Star Align, Solar System Align, Last Alignment, Quick Align Yes Line x 18 character backlit Liquid Crystal Display, 19 LID backlit butters, USB 2.0 port for PC connection 40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects Celestron's Stary Night Special Edition Software, Syffertal App