

## Celestron Advanced VX saxon 8 Inch Astrophotography Newtonian Bundle

**AUD**  
**\$2,259.00**

### Product Images



### Short Description

- 8" (200 mm) f/5 optical design gives excellent wide field views
- Parabolic primary mirror minimizes spherical aberration to produce a better image
- Integer gear ratios and permanently programmable Periodic Error Correction eliminates recurring track errors from the worm gear.
- 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.
- Improved electronics contain increased memory for future expansion
- NexStar+ hand control offers multiple language programming (English, French, Italian, German, Spanish)

## Description

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Large aperture at an affordable price, our Advanced VX 8" Newtonian provides 78% more light-gathering abilities compared to the 6" model. The parabolic primary mirror minimizes spherical aberration to produce a sharper image near the edge of the field of view. This scope is great for intermediate visual observers and beginning astroimagers looking for a large aperture with lots of light-gathering power. As you grow in your hobby, you can continue to enjoy all the high-level features of the Advanced VX.

The **saxon 200DS Astrophotography Newtonian Telescope** features the following:

- 200mm aperture
- 1000mm focal length (F/5.0)
- 2" Dual Speed 10:1 focuser
- 9x50 finderscope
- 2" LET 28mm eyepiece.
- 2" to 1.25" adapter.

### 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 Specifications:

OPTICAL DESIGN	Parabolic Newtonian Reflector
APERTURE	200mm
LOWEST PRACTICAL POWER	29x
HIGHEST PRACTICAL POWER	400x
FOCAL LENGTH	1000mm
FOCAL RATIO	F/5.0
EYEPieces	2" LET 28mm
FINDERSCOPE	9x50
BARLOW LENS	No
DIAGONAL	No
MOUNT TYPE	No
TRIPOD	No
OPTICAL TUBE DIMENSIONS	240mm x 920mm
OPTICAL TUBE WEIGHT	8.75Kg
SHIPPING DIMENSIONS	106 x 40 x 46 cm3
SHIPPING WEIGHT	14 Kg

### Mount Specifications:

Mount Type	Computerized Equatorial
Instrument load capacity	30 lbs (13.6 kg)
Height adjustment range (includes mount and tripod)	1118mm - 1626mm (44" - 64")
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	2 x 12 lbs
Slew Speeds	9 slew speeds - max speed 4"/second
Tracking Rates	Sidereal, Solar and Lunar
Tracking Modes	EQ North & EQ South
GPS	N/A
Dovetail Compatibility	Vixen/CG-5 saddle plate
Number of Auxiliary ports	3 Aux ports (1 hand control and 2 AUX ports for optional accessories)
Autoguide port	Yes
USB Port	Yes, input on Hand Control
Power Requirements	12V DC 3.5A (tip positive)
Motor Drive	DC servo motors
Alignment Procedures	2-Star Align, 1-Star Align, Solar System Align, Last Alignment, Quick Align
Periodic Error Correction	Yes
Computerized Hand Control	2 line x 18 character backlit Liquid Crystal Display, 19 LED backlit buttons, USB 2.0 port for PC connection
NexStar+ Database	40,000+ objects, 100 user defined programmable objects. Enhanced information on over 200 objects
Software	Celestron's Starry Night Special Edition Software, SkyPortal App
Total Kit Weight	73 lbs (33.11 kg)
Included Items	Advanced VX Equatorial Head   Tripod   Accessory Tray   2 x 12 lbs counterweights   NexStar+ Hand Control   DC Power Cable (item # 18769)   Hand Control Holster

Specifications