

Advanced VX 6 Refractor



Item no:22020

For planetary imaging and brighter deep-sky objects, many astroimagers say there's no better choice than a refractor. Unlike Schmidt-Cassegrain or Newtonian telescopes that have a secondary mirror, refractors offer no obstruction of the aperture, giving you the highest possible contrast. This refractor setup features an f/8 objective lens, which can be paired with one of our Nightscape CCD cameras to image brighter deep-sky objects or our NexImage 5 Solar System Imager to create dazzling images of the planets.

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.

Advanced VX 6 R General Features

- 6" (150mm) f/8 objective lens is perfect for high contrast planetary views
- 2" Focuser allows use with 2" and 1.25" accessories
- 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° degrees latitude.
- NexStar+ hand control offers multiple language programming (English, French, Italian, German, Spanish)

TECHNICAL SPECIFICATIONS

Optical Design: Refractor

Aperture (mm): 150 mm (5.91 in)

Telescope Type: Computerized (GOTO)

Focal Length: 1200 mm (47 in)

Focal Ratio: 8

Focal Length of Eyepiece 1 (mm): 20 mm (0.79 in)

Magnification of Eyepiece 1: 60 x

Finderscope: 9x50

Tripod: Adjustable, Stainless Steel

Tripod Leg Diameter: 2"

Highest Useful Magnification: 354 x

Lowest Useful Magnification: 21 x

Limiting Stellar Magnitude: 13.4

Resolution (Rayleigh): 0.93 arc seconds

Resolution (Dawes): 0.77 arc seconds

Light Gathering Power (Compared to human eye): 459 x

Optical Tube Length: 51" in (1295 mm)

Optical Tube Weight: 19 lbs (8.62 kg)

Mount Height (Max): 64" in (1626 mm)

Mount Height (Min): 44" in (1118 mm)

Tripod Weight: 18 lbs (8.16 kg)

Weight of Counterweights: 2 x 12 lbs

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Recommended Accessories



Celestron Omni XLT 150 R

£0.00



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£0.00



PowerTank (7ah) , 12V Power
Supply
£0.00



SkyQ Link WiFi Adapter
£0.00



SkySync GPS Accessory
£0.00



StarSense AutoAlign
£0.00



Zoom Eyepiece 1.24 in - 8-24mm
£0.00



Omni Series 1.25 in - 9mm
£0.00



X-Cel LX 2x Barlow Lens
£0.00



Ultima LX 32mm Eyepiece
£0.00



Eyepiece & Filter Kit 1.25 in
£0.00



SkyPortal Wi-Fi Module for iOS
and Android
£0.00



NexImage 5 Solar System
Imager (5MP)
£0.00



NexImage Burst Colour
£0.00