



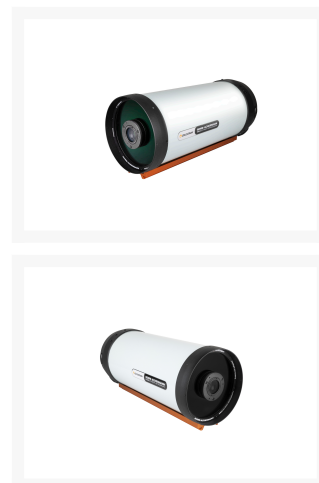
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**AUD**  
**\$6,199.00**

## Product Images



## Short Description

This bundle includes:

**saxon AZ-EQ6 GT Pro Mount [USB]**

**Celestron 8" Rowe-Ackermann Schmidt Astrograph (RASA 8) (CGE Dovetail)**

- Flat field free of optical aberrations like field curvature, coma, astigmatism and chromatic aberration across an entire APS-C sensor.
- Unlike the larger RASAs that work with DSLR and large CCD cameras, the 8" model was designed with color astronomical CMOS cameras, smaller CCD cameras, and mirrorless cameras in mind. The telescope does not work with standard DSLR cameras.
- Ultra-Stable Focus System – precision linear ball bearing virtually eliminates image shift.
- Integrated air cooling system –12V DC MagLev fan reduces cooldown time and provides optimal air flow while filtering out dust.
- Internal filter mount – seamlessly accommodates a Light Pollution Imaging Filter into the optical path.
- CGE dovetail mounting rail.
- Performs over a wider spectral range than most telescopes, from 400nm – 800nm, so more of the light passing through the

astrograph is in sharp focus.

## Description

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The **saxon AZ-EQ6 GT Pro Mount** provides the precision and stability needed for serious observing and astro imaging

This AZEQ6 GT Pro mount includes a built-in illuminated polar scope for both Southern and Northern Hemisphere, a latitude adjuster with micrometer scale, an azimuth polar-alignment adjuster, aluminium setting circles, large manual slow-motion tracking controls, bubble level and steel tubular tripod legs

The **saxon AZ-EQ6 GT Pro Mount** features and includes the following:

- A user friendly Synscan hand controller
- 2x 5.1Kg counter weight
- Wall-to-wall large accessory tray
- An extension 150mm counterweight shaft
- 2" stainless steel tripod legs
- Retractable counterweight shaft
- Accept narrow (V-style) or wider (D-style) dovetail mounting plates
- Smooth and quiet belt driven
- Motor resolution at 0.14arc sec (or 9.216,000 steps/rev.)
- Slew speeds from 1.25x, 1.75x, 2x, 8x, 16x, 32x, 64x, 400x, 500x, 600x, and up to 3.4°/sec (800X)
- Sidereal, Solar and Lunar tracking rates
- One, Two and Three star alignment options
- Auto guider interface for astrophotography
- Guiding speed from 0.125x, 0.25x, 0.50x, 0.75x, or 1x
- Minimal vibration for steady long-exposure astrophotography
- Payload Capacity 20Kg
- Containing over 42,900 objects with complete Messier, NGC and IC Catalogues.
- Positioning accuracy up to 5 arc minute.
- Permanent Periodic error correction (PPEC)
- Firmware upgradeable via internet download
- PC Compatibility
- Car power supply adapter included
- Requires 11 to 15V DC 2A power supply (not included).

### Advanced VX 800 Rowe-Ackermann Schmidt Astrograph (RASA) Telescope

Capture spectacular wide-field deep sky images in seconds with Celestron's portable astrograph, the 8" Rowe-Ackermann Schmidt Astrograph (RASA). This incredibly fast f/2.0 system is the perfect companion to today's color astronomical CMOS cameras, smaller CCD cameras, and mirrorless cameras. Thanks to its fast focal ratio and patented optical design, you can produce sharp, detailed images and, in many cases, skip the autoguider completely. Weighing in at just 17 pounds, it's easy to transport your 8" RASA to the most remote dark sky locations.

### RASA Performance Made for Everyone

The 8" RASA is an imaging telescope that delivers a flat field without optical aberrations for razor sharp stars across a wide field of view. It can capture stunning deep-sky astronomical images without the challenges typically presented by longer focal length instruments at a fraction of the cost of those systems.

The latest addition to the RASA family, this 8" version is a much more portable and affordable version of the heralded RASA 11, which was introduced to much acclaim in 2014. With the 8" RASA joining the lineup, a wider range of astroimagers can enjoy the benefits of the RASA design. It has many of the same thoughtfully designed features as its "big brother" RASA 11, including the integrated air-cooling system, internal filter mount, and sturdy CGE dovetail mounting bar.

Purely designed for imaging, the 8" RASA cannot be used visually. The prime focus focal plane is located at the front of the optical

system, so it cannot accommodate a traditional eyepiece.

### **Shorter Exposure Times and Virtual “Real-Time” Observing**

Since it is an F/2.0 optical system, imagers can use shorter exposure times to capture detail in faint objects. When combined with sensitive cameras and the proper “live stacking” software, the 8” RASA can provide an almost real-time observing experience. View images on a computer instantly that are brighter and more detailed than can be seen in much bigger telescopes with the naked eye.

Because shorter exposure times are possible, your equatorial mount won’t need to accurately track over extended periods. The 8” RASA’s relatively short 400mm focal length also lessens equatorial tracking demands. In many cases, autoguiding will not be required. Weighing only 17 lb, this optical tube pairs perfectly with a wide variety of mounts.

### **Ultra-Stable Focus System**

With the launch of the 8” RASA, Celestron is unveiled a focuser design that mitigates lateral movement of the primary mirror when focusing, slewing, or tracking with the astrograph. Focusing is easier, more accurate, and more stable than ever. The key to the Ultra-Stable Focus System is a precision linear ball bearing, which is tested during assembly to ensure optimal results.

### **Built for Today’s Latest Cameras**

Unlike the larger RASAs that work with DSLR and large CCD cameras, the 8” model was designed with color astronomical CMOS cameras, smaller CCD cameras, and mirrorless cameras in mind. The telescope does not work with standard DSLR cameras. It is optimized for sensors with up to a 22mm diagonal, but performs well with sensors up to 32mm diagonal. The APS-C sized sensors used in many mirrorless cameras are a good choice. 42mm full frame sensors will also work, but performance will be poor at the edges of the sensor and field illumination will be reduced. Additionally, we do not recommend pairing RASA 8 with any camera body more than 4” in diameter. See the chart below to determine if your camera is compatible with RASA 8.

Specifications	Optical Tube Info:	
	Optical Design:	Rowe-Ackermann Schmidt Astrograph
	Aperture:	203mm (8")
	Focal Length:	400mm (15.74")
	Focal Ratio:	f/2.0
	Central obstruction diameter:	93mm (3.66") (46% of aperture diameter)
	Light Gathering Power (Compared to human eye):	843x
	Resolution (Rayleigh):	0.68 arc seconds
	Resolution (Dawes):	0.57 arc seconds
	Image Circle:	22mm (.86") Ø, 3.15°
	Useable field:	32mm (1.26") Ø, 4.6°, only minimal performance loss at edge of FOV
	Wavelength range:	400 - 800 nm
	Spot size:	< 2.3 µm RMS across image circle
	Optical Coatings:	StarBright XLT
	Off-axis Illumination:	93% at 11mm (.43") off-axis
	Optical Window:	46mm (1.81") Ø
	Back focus with included camera adapter:	25mm (.98")
	Back focus from top of threaded collar:	29mm (1.14")
	Optical Tube:	Aluminum
	Optical Tube Length:	628mm (24.7")
	Optical Tube Diameter:	235mm (9.3")
	Focuser:	Precision Bearing System (PBS)
	Finderscope:	Not included
	Optical Tube Weight:	17 lbs (7.7 kg)
	Other Features:	Air-cooling system, integrated filter mount
	Included items:	42mm (1.65") T-thread camera adapter   C-thread camera adapter   Fan battery pack
	Dovetail:	CGE Dovetail Bar
	Solar Warning	<ul style="list-style-type: none"><li>• Never look directly at the Sun with the naked eye or with an optic (unless you have the proper solar filter). Permanent and irreversible eye damage may result.</li><li>• Never use your optic to project an image of the Sun onto any surface. Internal heat build-up can damage the optic and any accessories attached to it.</li><li>• Never leave your optic unsupervised. Make sure an adult who is familiar with the correct operating procedures is with your optic at all times, especially when children are present.</li></ul>