

## Celestron C6-A-XLT (CG-5) Schmidt Cassegrain OTA

AUD  
\$1,549.00

### Product Images



### Short Description

The 6" Schmidt-Cassegrain optical tube offers 40% more light gathering ability than a 5" telescope. The Schmidt-Cassegrain design also eliminates chromatic aberration, making it a good choice for entry-level astroimaging.

**NOTE:** The recommended solar filters for this scope for solar observing are;

- the Orion 185 mm (7.17") Glass Solar Filter (Product No. 125081) or
- the Meade Glass White Light Solar Filter 172 - 180 mm (Product No. 125918).

## Description

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- 6" Schmidt-Cassegrain Optical Tube Assembly
- Aluminum Optical Tube
- Celestron's premium StarBright XLT coatings
- 1500 mm focal length (f/10)
- 25 mm eyepiece included (60x)
- Visual back allows for use with 1.25" accessories
- 6x30 finderscope to help accurately find objects
- Star diagonal provides more comfortable viewing position when observing objects that are high in the sky
- Includes dovetail rail compatible with CG-5 Advanced Series mount

### OPTICAL TUBE INFO:

#### Specifications

|   |                         |
|---|-------------------------|
| Optical Design                                | Schmidt-Cassegrain      |
| Aperture                                      | 150mm (6")              |
| Focal Length                                  | 1500mm (59")            |
| Focal Ratio                                   | f/10                    |
| Focal Length of Eyepiece 1                    | 25mm (0.98")            |
| Magnification of Eyepiece 1                   | 60x                     |
| Finderscope                                   | 6x30                    |
| Star Diagonal                                 | 1.25" Star Diagonal     |
| Optical Tube                                  | Aluminum                |
| Highest Useful Magnification                  | 354x                    |
| Lowest Useful Magnification                   | 21x                     |
| Limiting Stellar Magnitude                    | 13.4                    |
| Resolution (Rayleigh)                         | 0.93 arc seconds        |
| Resolution (Dawes)                            | 0.77 arc seconds        |
| Light Gathering Power (Compared to human eye) | 459x                    |
| Secondary Mirror Obstruction                  | 56mm (2.2")             |
| Secondary Mirror Obstruction by Diameter      | 37%                     |
| Secondary Mirror Obstruction by Area          | 14%                     |
| Optical Coatings                              | StarBright XLT          |
| Optical Tube Length                           | 406mm (16")             |
| Optical Tube Diameter                         | 180mm (7.12")           |
| Optical Tube Weight                           | 10 lbs (4.54 kg)        |
| Dovetail                                      | Vixen/CG-5 Dovetail bar |