



Clifton Cameras Product Specification

Celeston AstroMaster 70EQ Telescope

Specifications

Optical Tube Info:

Optical Design:	Refractor
Aperture:	70mm (2.75")
Focal Length:	900mm (35.43")
Focal Ratio:	f/13
Focal Length of Eyepiece 1:	20mm (.78")
Magnification of Eyepiece 1:	45x
Focal Length of Eyepiece 2:	10mm (.4")
Magnification of Eyepiece 2:	90x
Barlow Lens:	Not Included
Finderscope:	Built-on StarPointer™ red dot finderscope
Star Diagonal:	Erect Image Diagonal - 1.25"
Optical Tube:	Aluminum
Highest Useful Magnification:	165x
Lowest Useful Magnification:	10x
Limiting Stellar Magnitude:	11.7
Resolution (Rayleigh):	1.99 arc seconds
Resolution (Dawes):	1.66 arc seconds
Light Gathering Power (Compared to human eye):	100x
Optical Coating:	Fully Coated
Optical Tube Length:	914mm (36")
Optical Tube Diameter:	TBD
Optical Tube Weight:	TBD
Dovetail:	CG-2 Dovetail bar



Mount Info

Mount Type:	CG-2 Equatorial
Height adjustment range (includes mount and tripod):	812.8mm - 1295.4mm (32" - 51")
Tripod Leg Diameter:	31.75mm (1.25") steel
Accessory Tray:	Yes
Tripod Weight:	7.6 lbs (3.44 kg)
Slew Speeds:	Manual
Dovetail Compatibility:	CG-2 saddle plate
Software:	Celestron Starry Night Basic Edition Software SkyPortal App
Total Kit Weight:	TBD
Included Items:	Optical tube Tripod and mount (preassembled) 20mm and 10mm eyepiece Erect Image Diagonal Red-dot finderscope Manual

Solar Warning

- 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.
- 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.
- 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.