Clifton Cameras Product Specification

Celestron AstoMaster 130EQ Telescope

Specifications

Optical Tube

Optical Design:	Newtonian Reflector
Aperture:	130mm (5.11")
Focal Length:	650mm (25.6")
Focal Ratio:	f/5
Focal Length of Eyepiece 1:	20mm (.78") with built-in erect image corrector
Magnification of Eyepiece 1:	33x
Focal Length of Eyepiece 2:	10mm (.4") standard
Magnification of Eyepiece 2:	65x
Barlow Lens:	Not Included
Finderscope:	Built-on StarPointer™ red dot finderscope
Star Diagonal:	None
Optical Tube:	Aluminum
Highest Useful Magnification:	307x
Lowest Useful Magnification:	19x
Limiting Stellar Magnitude:	13.1
Resolution (Rayleigh):	1.07 arc seconds
Resolution (Dawes):	.89 arc seconds
Light Gathering Power (Compared to human eye):	345x
Secondary Mirror Obstruction:	44mm (1.73")
Secondary Mirror Obstruction by Diameter:	34%
Secondary Mirror Obstruction by Area:	11%
Optical Coatings:	TBD
Optical Tube Length:	610mm (24")

Optical Tube Diameter:	TBD
Optical Tube Weight:	TBD
Dovetail:	CG-5 Dovetail bar

Mount

Mount Type:	CG-3 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-5 saddle plate
Software:	Celestron Starry Night Basic Edition Software I SkyPortal App
Total Kit Weight:	TBD
Included Items:	Optical tube I Tripod and mount (preassembled) I 20mm eyepiece with built-in erect image corrector I Standard 10mm eyepiece I Red-dot finderscope I 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.