



Clifton Cameras Product Specification

Celestron StarSense Explorer DX 6 inch SCT Full Spec

OPTICAL TUBE INFO:

Optical Design: Schmidt-Cassegrain

Aperture: 150mm (6")

Focal Length: 1500mm (59")

Focal Ratio: f/10

Focal Length of Eyepiece 1: 40mm (1.57")

Magnification of Eyepiece 1: 38x

Focal Length of Eyepiece 2: 10mm (0.39")

Magnification of Eyepiece 2: 150x

Barlow Lens: Not Included

Finderscope: StarPointer™ red dot finderscope

OPTICAL TUBE INFO:

Star Diagonal: Erect image 90° (1.25")

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 TUBE INFO:

Optical Coatings:	StarBright XLT
Optical Tube Length:	406mm (16")
Optical Tube Diameter:	184.15mm (7.25")
Optical Tube Weight:	10 lbs (4.54 kg)
Dovetail:	CG-5 Dovetail Bar

MOUNT INFO:

Mount Type:	Manual Alt-Azimuth
Height adjustment range (includes mount and tripod):	Aluminum, 1320.8mm (52") max height
Tripod Leg Diameter:	31.75mm (1.25") steel
Accessory Tray:	Yes
Tripod Weight:	3.8 lbs (1.72 kg)



OPTICAL TUBE INFO:

Slew Speeds:

Manual

GPS:

Uses phone's GPS

Dovetail Compatibility:

CG-5

Power Requirements:

None (Recommend PowerTank Glow to keep phone charged while using App)

Alignment Procedures:

Use StarSense Explorer App

Software:

StarSense Explorer App, SkyPortal App, and Celestron Starry Night Basic Edition

Total Kit Weight:

14 lbs (6.35 kg)

Included Items:

Optical tube
Mount and tripod (preassembled)
40mm and 10mm eyepieces
Erect image diagonal
StarPointer finderscope
Accessory tray
StarSense Explorer phone dock