



Clifton Cameras Product Specification

Celestron StarSense Explorer LT 70AZ Full Spec

OPTICAL TUBE INFO:

Optical Design:	Refractor
Aperture:	70mm (2.76")
Focal Length:	700mm (27.56")
Focal Ratio:	f/10
Focal Length of Eyepiece 1:	25mm (0.98")
Magnification of Eyepiece 1:	28x
Focal Length of Eyepiece 2:	10mm (0.39")
Magnification of Eyepiece 2:	70x
Barlow Lens:	2x (1.25")
Finderscope:	StarPointer™ red dot finderscope

OPTICAL TUBE INFO:

Star Diagonal: Erect image 90° (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 Coatings: Fully Coated glass optics

Optical Tube Length: 812.8mm (32")

Optical Tube Diameter: 76mm (2.99")

OPTICAL TUBE INFO:

Optical Tube Weight: 3.6 lbs (1.63 kg)

Dovetail: None

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 (1.75") steel

Accessory Tray: Yes

Tripod Weight: 3.8 lbs (1.72 kg)

Slew Speeds: Manual

GPS: Uses phone's GPS

Dovetail Compatibility: None



OPTICAL TUBE INFO:

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:

7.4 lbs (3.35 kg)

Included Items:

Optical tube
Mount and tripod (preassembled)
25mm and 10mm eyepieces
Erect image diagonal
2x Barlow Lens
StarPointer finderscope
Accessory tray
StarSense Explorer phone dock