



# Clifton Cameras Product Specification

## Celestron StarSense Explorer 114 Tabletop Dobsonian

### Specifications

#### OPTICAL TUBE INFO:

Optical Design:	Newtonian Reflector
Aperture:	114mm (4.48")
Focal Length:	450mm (17.71")
Focal Ratio:	f/4
Focal Length of Eyepiece 1:	17mm (0.67")
Magnification of Eyepiece 1:	26x
Focal Length of Eyepiece 2:	10mm (0.39")
Magnification of Eyepiece 2:	45x
Highest Useful Magnification:	269x
Lowest Useful Magnification:	16x
Limiting Stellar Magnitude:	12.8
Light Gathering Power:	265x as compared to the human eye
Optical Coatings:	Aluminum with SiO <sub>2</sub> overcoat
Mirror Material:	Standard optical glass for primary and secondary mirrors
Minor Axis of Secondary Mirror:	34.5mm (1.36")
Tube Material:	Steel
Focuser:	1.25" rack-and-pinion
Finderscope:	StarPointer™ red-dot finderscope
Resolution Rayleigh:	1.21 arcseconds
Resolution Dawes:	1.02 arcseconds
Optical Tube Dimensions:	469.9mm (18.5") long x 139.7mm (5.5") diameter
Optical Tube Weight:	4.2 lbs (1.9 kg)

#### MOUNT INFO:



Mount Type:	Altazimuth Tabletop Dobsonian base
Base Material:	Particle board with melamine surfaces and edge trim, CARB compliant
Base Dimensions:	381mm x 381mm x 393.7mm (15" 15" x 15.5")
Base Weight:	8.4 lbs (3.81 kg)
Slew Speeds:	Manual
Software:	Celestron Starry Night Basic Edition Software and StarSense Explorer App
Total Telescope Kit Weight:	12.6 lbs (5.71 kg)

Included Items: Optical tube; Dobsonian Base; 17mm and 10mm eyepiece; StarPointer™ red-dot finderscope; StarSense Explorer dock; StarSense Explorer unlock code; Eyepiece rack; Collimation Cap; Celestron Starry Night Basic Edition Software

**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.