



# Clifton Cameras Product Specification

## Celestron Inspire 100AZ Refractor Telescope

### Specifications

#### Optical Tube

Optical Design:	Refractor
Aperture:	100mm (3.94")
Focal Length:	660mm (25.98")
Focal Ratio:	f/6.5
Optical Coatings:	Fully Coated glass optics
Focal Length of Eyepiece 1:	20mm (1.25")
Magnification of Eyepiece 1:	33x
Focal Length of Eyepiece 2:	10mm (1.25")
Magnification of Eyepiece 2:	66x
Star Diagonal:	Erect image 90° (1.25")
Finderscope:	StarPointer™ Pro red dot finderscope
Other Accessories:	SkyPortal App
Resolution (Rayleigh):	1.37 arc seconds
Resolution (Dawes):	1.14 arc seconds
Light Gathering Power:	212x the unaided eye
Highest Useful Magnification:	241x
Lowest Useful Magnification:	15x
Limiting Stellar Magnitude:	12.5

#### Mount

Tripod:	Steel, 1.25" diameter, 47" max height
Included Items:	Optical tube   Mount with tripod and folding accessory tray connected   Red LED flashlight   90° erect image diagonal   20mm and 10mm Kellner eyepieces   StarPointer™ Pro red dot finderscope   Free download of SkyPortal



Software: Celestron Starry Night Basic Edition Software | SkyPortal App

## 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.