

Triplet Fluorite Apochromat

FCT-114D

Easy to Carry. Close-to-Flagship Views.

A lightweight fluorite triplet refractor for sharp, high-power views.

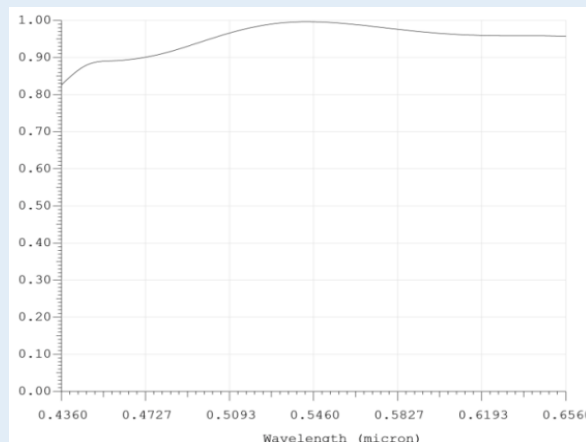
At **just over 5 kg**, this new 4.5" scope pairs a Takahashi's traditional fluorite element with a triplet design to achieve a **97.5% visual Strehl ratio and virtually zero chromatic aberration**—the kind of clean, high-contrast image that makes the Moon look etched, keeps planetary detail intact at higher magnification, and leaves bright stars crisp instead of fringed.

This is the telescope you'll reach for on weeknights: quick to carry, fast to set up, and consistently rewarding at the eyepiece—because great optics only matter if you actually use them.

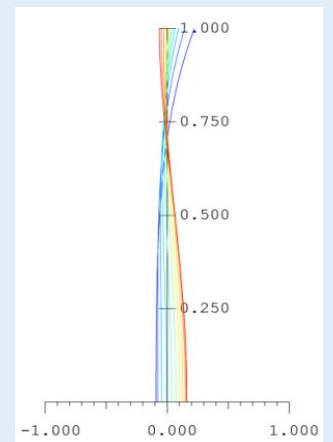
With the flattener or reducer, it's also ready for imaging: **≤6 μm RMS spot diameters to the full-frame corners**, a strong match for modern 62MP full-frame cooled CMOS cameras.

We offer two configurations: the lightweight **FCT-114DS**, which uses the same focuser as the TOA-130NS, and the **FCT-114DF**, which features the same 1:8 fine focuser as the FSQ-85EDX—providing confident support even with heavier camera setups.

Aperture	114mm / 4.5"
External Diameter	114mm / 4.5"
Tube Length	795 – 884 mm
Weight	5.1kg / 11.2lbs (DS) 5.5kg / 12.1lbs (DF)



Wavelength vs Strehl ratio



Spherical Aberration

*Product appearance and specifications are subject to change.