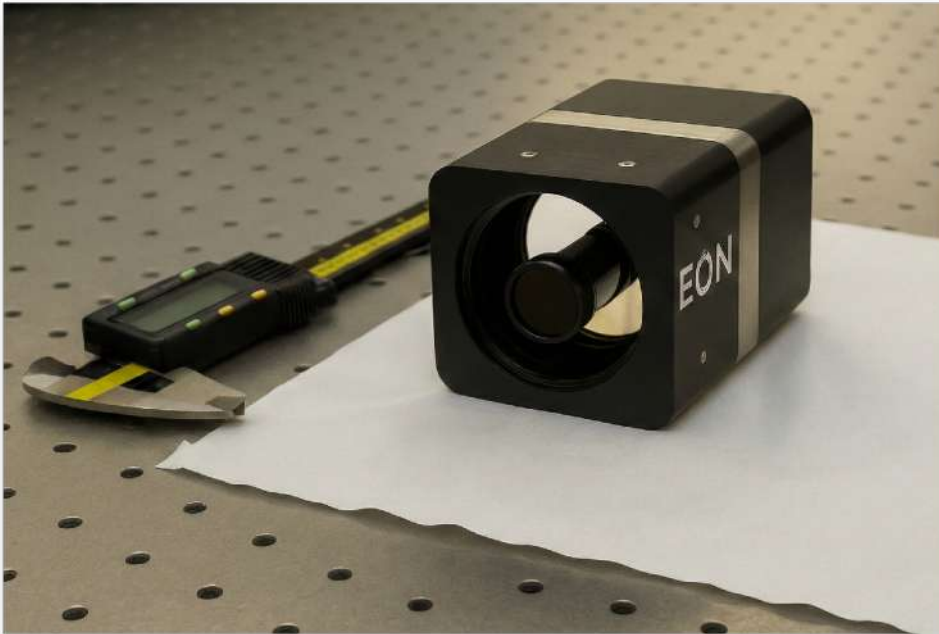


MINIATURIZED OPTICAL TELESCOPE

Advanced Miniaturised Technology for Space Imaging



SYSTEM OVERVIEW

The Eon Space Labs Miniaturized Optical Telescope features a revolutionary monolithic design crafted from a single block of Fused Silica glass. This architecture ensures exceptional stability and thermal robustness.

KEY QUALIFICATIONS

- **Thermo-vacuum Qualified:** Tested for LEO.
- **Ultra-Compact:** 54mm x 54mm x 87mm.
- **Lightweight:** <502gm total mass.
- **Launch:** Scheduled for May/June.

OPTICAL SPECIFICATIONS

Optical Design	Catadioptric
Construction	Monolithic
Aperture	45 mm
F-Number	F/6.67
Spectral Range	400 - 850 nm
GSD (at 500km)	9.2 m PAN
Swath Width	20 km

SENSOR & INTERFACE

Sensor Resolution	2048 x 1088
Pixel Size	5.5 μm
Frame Rate	180 fps
Quantum Eff.	>60%
Interface	Camera Link / USB3
Dimensions	54 x 54 x 87 mm
Weight	<502 gm