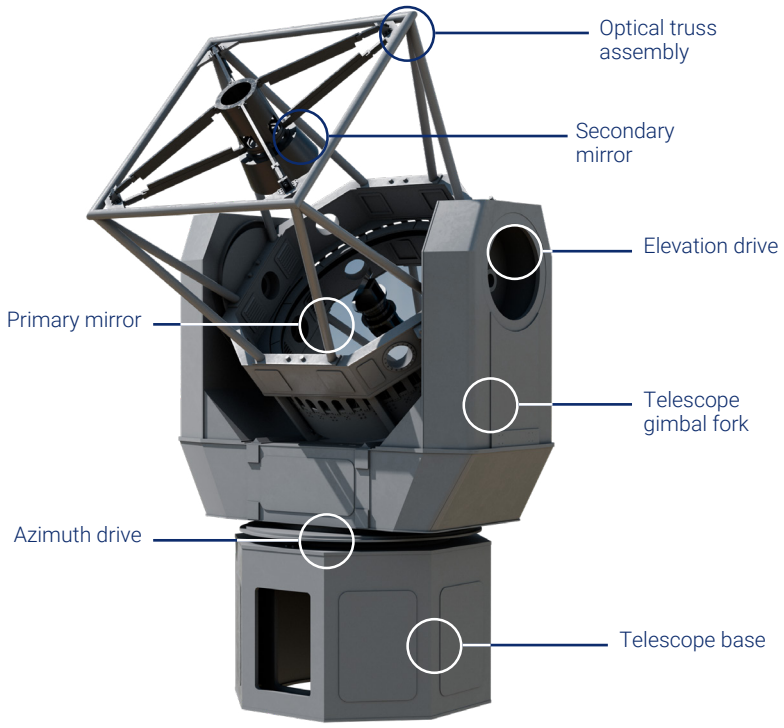
2 METRE CLASS TELESCOPE

VERSATILE TELESCOPE TO SUPPORT DIVERSE ASTRONOMICAL RESEARCH

EOS designs and manufactures high-quality telescopes with exceptional technical performance for imaging, tracking and laser beam delivery.

Our telescopes are agile, highly accurate, reliable, robust and low maintenance. They seamlessly integrate with telescope enclosures, instruments, and control software. Equipped with remote diagnostic support and automated operation, and are easily upgraded. Used as laser beam directors, they provide the accuracy required for reliable ground-to-space optical communications and satellite laser ranging.

The 2.4 metre telescope is ideally suited to astronomy, where reliability, ease of maintenance and high image quality are key. It delivers superb performance in slewing and tracking and can be built with Cassegrain or Nasmyth foci, making it a versatile telescope to support diverse astronomical research.



FEATURES

Telescope configuration	Nasmyth, Coudé or Cassegrain	
Aperture size	1.8–2.4 m	
Primary mirror focal ratios	• From f/1.5 to f/2 • Optical and IR optimised designs	• Passive mirror supports
System focal ratios	From f/8 to Mersenne	
Mount	Compact alt-azimuth	
Axis speeds	• Axis speeds > 10 deg/s	• On-axis direct drives and absolute encoders
Tracking jitter	< 0.5 arcsec RMS	
Pointing accuracy	< 3 arcsec RMS	
Operational features	• Active collimation • Remote autonomous operation • Integrated dome and observatory systems • Wide field corrector systems	• Fast tip-tilt secondary mirrors • Instrument derotators • Complete remote control observatories

HIGH RELIABILITY

Our telescopes are robust, reliable and low maintenance.

ULTRA-SMOOTH TRACKING

Designed for high positioning accuracy with large payloads.

EXCEPTIONAL PERFORMANCE

Optimised for ten-year mean time between failure.

2M CLASS-09/2025

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