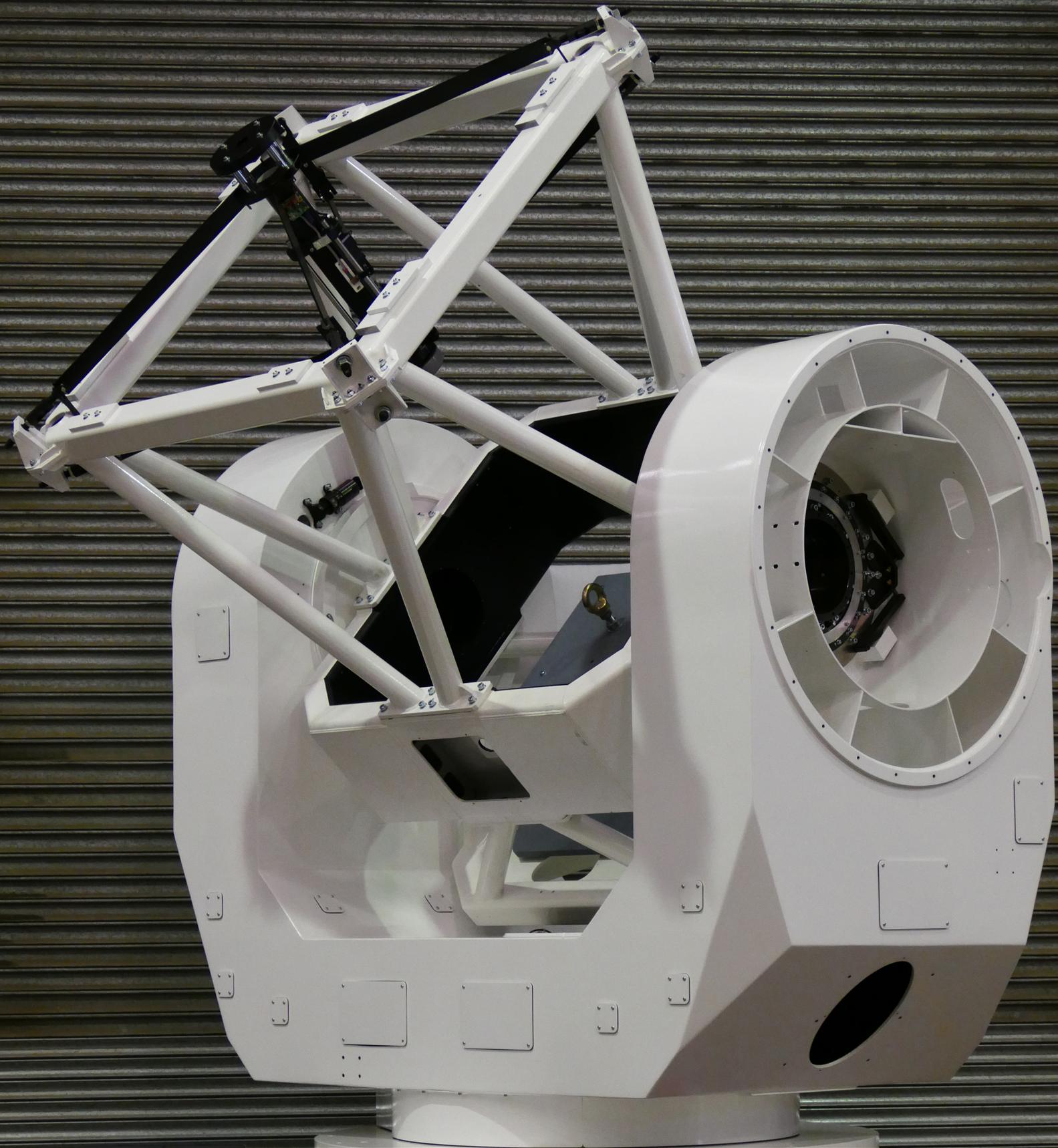


1M TELESCOPE

TEOS



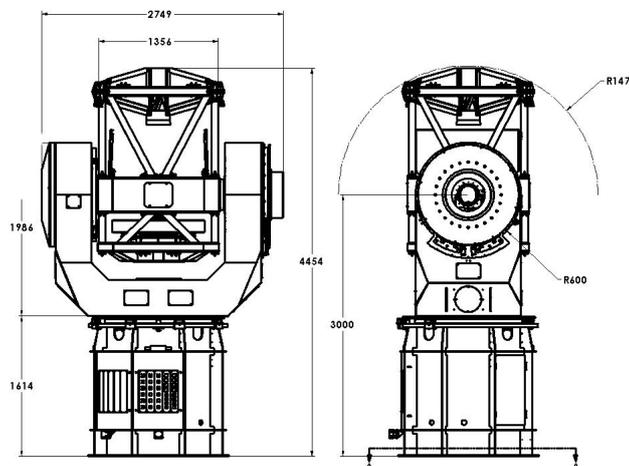
1M TELESCOPE



EOS is a leading manufacturer of large aperture beam directors and astronomical telescopes, lasers, enclosures and observatory systems.

EOS provides robust, industrial grade control systems for remote and robotic telescope and observatory control. EOS observatory products are found in many astronomical and military space sensing systems around the world.

The 1 m telescope is compact and high speed, fits domes larger than 4.5 m and can provide a large diameter Coudé path. It is designed for high positioning accuracy and ultra smooth tracking with large instrument payloads.



FEATURES

Telescope configuration	Nasmyth and Coudé	
Aperture size	29 inches to 98 inches	
Primary mirror focal ratios	From f/1.5-f/1.8 Optical and IR optimized 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	< 0.25 arcsec RMS	
Pointing accuracy	< 3 arcsec RMS	
Operational features	<ul style="list-style-type: none"> • Wide field guide scopes • Active collimation • Remote autonomous operation • Integrated dome and observatory systems • Wide field corrector systems 	<ul style="list-style-type: none"> • Fast tip-tilt secondary mirrors • Instrument derotators • On-board instrument processors • Automatic sky calibration software • Turnkey remote control observatories

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