

# TEMPEST ENCLOSURE



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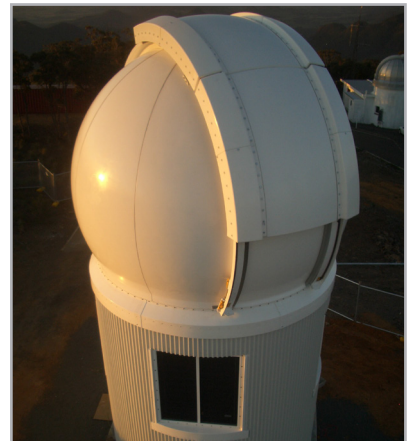


**EOS is a leading manufacturer of large aperture beam directors and astronomical telescopes, lasers, enclosures and observatory systems.**

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 Tempest Enclosure is optimized in design for beam directors, optical communications and ideal for astronomy applications. It incorporates a composite glass-reinforced plastic (GRP) rotating dome with vertical (up and over) bi-parting shutters.

The pre-assembled modular dome and ringwall kit minimizes on site construction and integration time. This proven design also reduces ongoing maintenance costs making it an economical system to run.



## FEATURES

Structure	Three level ringwall: <ul style="list-style-type: none"><li>- Level 1: insulated equipment floor</li><li>- Level 2: ventilation floor with four vent doors</li><li>- Level 3: fixed observing floor with access hatch</li></ul>
Aperture configuration	Up to and including 1.5m in Cassegrain, Nasmyth and Coudé
Diameter	6.5m diameter standard, with 1.75m slit
Shutters	Dual tracking (positioning to < 50mm)
Providing protection against wind, shake and stray light	Speed: 2°/sec and acceleration 1°/sec <sup>2</sup>
Azimuth speed	4°/sec and acceleration 1°/sec <sup>2</sup>
Viewing	Unvignetted viewing from 10-90° in elevation
Operating environment	Operational wind load to 80km/h Fire retardant insulation (>R3 or R19 US), ventilation floor, active cooling system, thermally isolated area for equipment racks
Optional features	Pier forms, tower frame, ringwall panels, lightning protection, HVAC

**High Performance, High Reliability - 10 Years Operation Maintenance Free**

**For more information please contact:**  
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