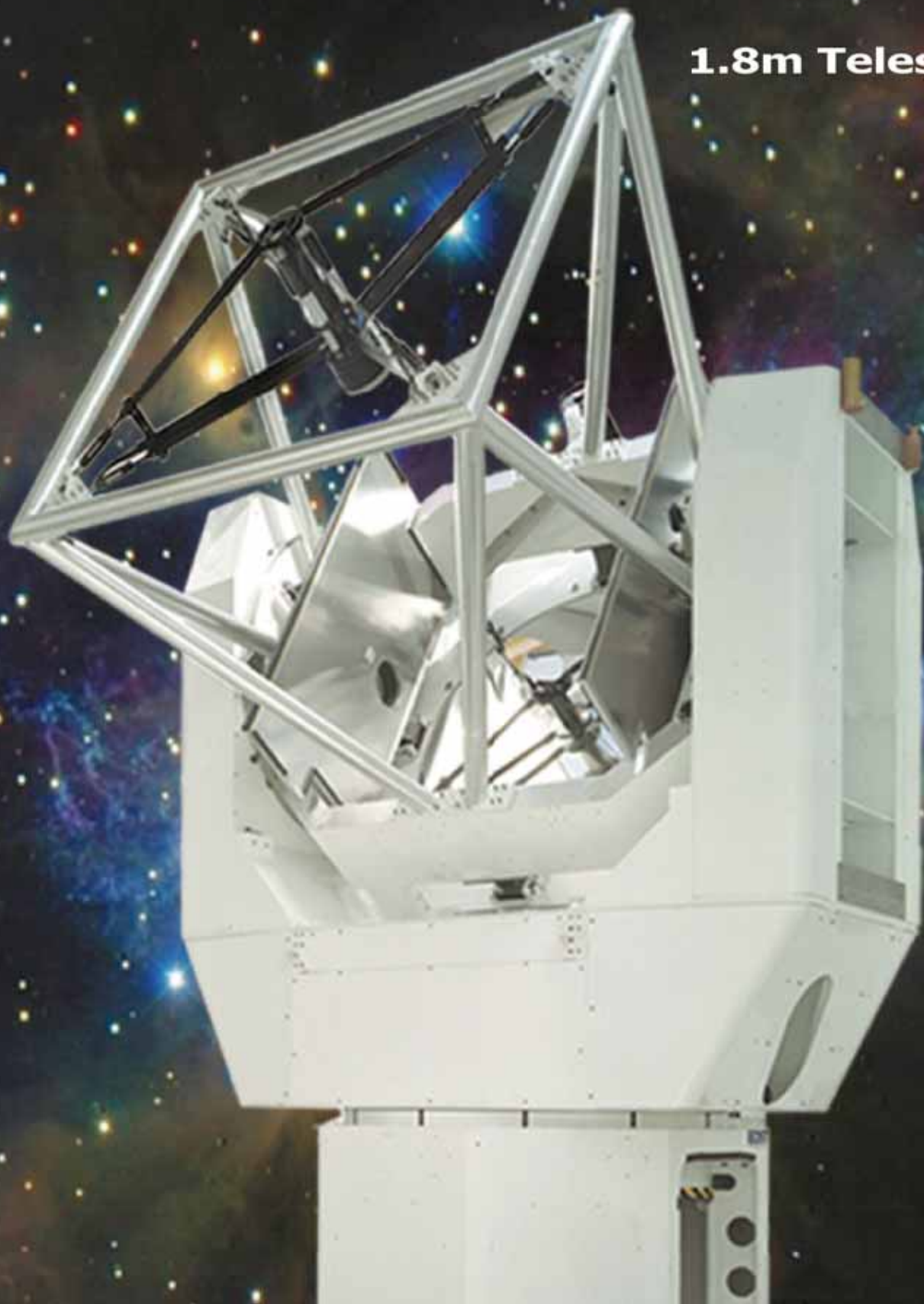




*TECHNOLOGIES, INC.*

**1.8m Telescope**



# 1.8m Telescope Specification

## 1.8 Meter Telescope

We designed our 1.8 meter telescope for precision astrometry and interferometry. It delivers excellent image quality and highly repeatable, precise motion. This makes it an ideal choice for applications in astronomy, satellite tracking, or ground-to-space optical communication. Our mount is available in single or dual Nasmyth configuration and features passive optics supports, on-axis drives, and other features to enhance its reliability. Lightweight optics, a fast tip-tilt secondary mirror, and other enhancements are available to optimize it for specific applications.



### Standard Features:

- 140 cm to 200 cm aperture
- Primary mirror focal ratios for  $f/1.75$  to  $f/1.5$
- System focal ratios from  $f/8$  to Mersenne
- Optical or IR optimized designs
- Nasmyth or coudé configuration
- Passive mirror supports
- Compact altazimuth mount
- On-axis drives and encoders
- Axis speeds greater than 4 deg/sec
- Tracking jitter better than 0.25 arcseconds RMS
- Pointing accuracy better than 3 arcseconds
- Smooth, rolling element bearings
- Turnkey-ready system
- Manufactured to ISO 9001 quality standards
- On-sky performance tested before delivery
- Shipment within 24 months of order

### Options:

- Active collimation
- Remote autonomous operation capability
- Integrated dome and observatory system
- Fast tip tilt silicon carbide (SiC) secondary mirror system
- Wide field corrector systems
- Instrument rotators
- Autoguider and other instrumentation
- Accelerated delivery

