



Euclid

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EU-350 Stelvio

The Stelvio dual axis positioner is a heavy-duty high-performance with direct drive Elevation over Azimuth Unit.

Azimuth axis has continuous rotation using slip-rings with Ethernet, Signals & Power lines up to total of 150 Amp

The Stelvio has high stiffness and zero backlash due to its direct drive axes.

The Stelvio positioner communication is with high baud rate using Euclid's Tracking Controller (MCU) which provide progressive control modes and target's tracking algorithms.



KEY FEATURES

- > Ell: Euclid Intuitive Integration for easy
- > Dual axis Positioner
- > Ethernet and Serial communication
- > Qualifying for harsh environment
- > 360° Continuous azimuth travel
- > Supplied with Euclid's MCU Unit

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Specifications

Parameter	EU-350 Stelvio
Payload	140 Kg
Operation/Peak torque	80 Nm / 160 Nm
Weight	265 Kg
Pointing accuracy	< 0.005° (80 micro rad)
Control resolution	< 0.0001° (22 bit)
Dimensions	1300 x 650 x 1120 mm
Elevation travel range	-5 to 185 Degrees (Adjustable Limits)
Azimuth travel	360° continuous
Slip Ring Signals (golden)	Ethernet line, 150 Amp power, total of 42 signals & 2 coax
Speed & acceleration	Up-to 180 deg/sec and 2 rad/sec ²
Operating voltage	24 VDC (18-36V) / optional: 12-80 VDC
Control	Optional via internal Euclid MCU, high-level ETH protocol, up-to 100 Hz baud rate
Operating temperature	-20 - 60°C
Storage temperature	-30 - 70°C
Internal protection	Over/Under-voltage, Over-temperature, Over-current, I2t, Short-circuit
Environmental	Mil-Std 1275, Mil-Std 461 G, Mil-Std 810 F, IP67