



Euclid

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EU-195 Fusion

The FUSION XT dual axis positioner is a heavy duty Elevation over Azimuth unit.

Azimuth axis has continuous rotation using slip-rings with Ethernet, Signals & Power lines.

The FUSION XT has high stiffness and low backlash with a payload in motion, and is easy to integrate with other system's modules.

The FUSION XT positioner can also be supplied with Euclid's built-in Tracking Controller (MCU) to provide progressive control modes and target's tracking algorithms.



KEY FEATURES

- > EII: 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

EU-195 Fusion



Specifications

Parameter	EU-195 Fusion
Payload	120 Kg / 264 Lbs
Continuous operation torque	120 Nm / 88 Lb Ft
Peak operation torque	195 Nm / 144 Lb Ft
Weight	41 Kg / 90 Lbs
Transmission backlash	0.016°
Control resolution	0.002°
Dimensions	568 x 350 x 239 mm / 22.4 x 13.8 x 9.4 inch (Height is according to Slip-Ring requests)
Elevation travel range	-8 to 188 Degrees (Adjustable Limits)
Azimuth travel	360° continuous
Slip ring signals (golden)	6 Power (30 Amp) + 36 Signals (2A) including Ethernet Communications
Speed	up to 40°/Sec
Operating voltage	24 VDC (18-30V) / Optional: 12-80 VDC
Control	Via internal MCU (high-level ETH protocol) or direct control over position/ speed/torque closed loops
Operating temperature	-20 - 60°C / optional: -32 - 60°C
Storage temperature	-30 - 70°C
Environment sealing	IP 67
Internal protection	Over/Under-voltage, Over-temperature, Over-current, I2t, Short-circuit