



# Euclid

SYSTEM ENGINEERING LTD

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## EU-200 Fusion XT

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

The FUSION XTR 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-200 Fusion XT



## Specifications

Parameter	EU-200 Fusion XT
Payload	230 Kg / 507 Lbs
Continuous operation torque EL/AZ	EL 130 Nm / AZ 100 Nm
Peak operation torque EL/AZ	EL 200 Nm / AZ 130 Nm
Weight	42 Kg / 92 Lbs
Transmission backlash	0.02°
Control resolution	0.002°
Dimensions	568 x 350 x 239 mm / 22.4 x 13.8 x 9.4 inch
Elevation travel range	-8 to 50 Deg. (Adjustable Limits up-to 188 deg.)
Azimuth travel	360° continuous (Azimuth limits are optional)
Slip ring signals (golden)	6 Power (30 Amp) + 36 Signals (2A) including Ethernet Communications
Speed EL/AZ	AZ 0.1 - 35 deg/sec / EL 0.1 - 25 deg/sec
Operating voltage	24 VDC ( 18-30V) (Mil-Std 1275 is optional)
Control	iMCU (internal MCU) high-level ETH protocol
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