



Euclid

SYSTEM ENGINEERING LTD

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EU-101 One

The ONE is Euclid Mid-range single-axis positioner.

This positioner has the max signals using high performance golden Slip-Rings.

The motion system has high rigidity gear rate (~30 Nm/arc min) and very low backlash.

Using our ONE single-axis positioner will give you high performance and stability for antenna, camera, satellite and many more applications.

The ONE positioner can be modified according to customer requirements including the unit interfaces and software communications.

The ONE positioner can also be supplied with Euclid's built-in Tracking Controller (MCU), to provide progressive control modes



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-101 One



Specifications

Parameter	EU-101 One
Payload	50 Kg / 110 Lbs
Continuous operation torque	100 Nm / 74 Lb Ft
Peak operation torque	150 Nm / 110Lb Ft
Weight	22 Kg / 48.5 Lbs
Pointing accuracy	< 0.02°
Control resolution	0.002°
Dimensions	230 x 250 x 406mm / 9 x 9.8 x 16 inch
Azimuth travel	360° continuous
Slip ring signals (golden)	6 Power (30 Amp) + 36 Signals (2A) including Ethernet Communications
Speed	up to 50°/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	-10 - 60°C / optional: -30 - 60°C
Storage temperature	-30 - 70°C
Environment sealing	IP 67
Internal protection	Over/Under-voltage, Over-temperature, Over-current, I2t, Short-circuit