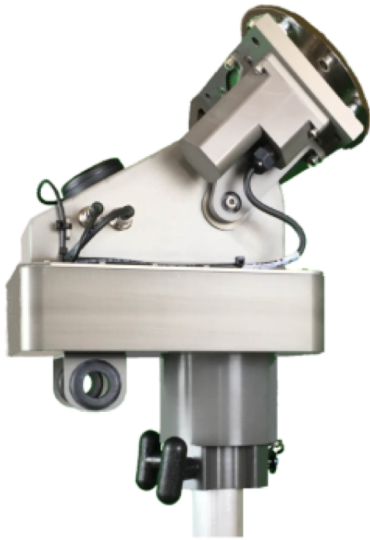


QLA-360FERP-20

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The QLA-360FERP-20 is a Power Over Ethernet (PoE) antenna positioner designed from the ground up to automatically point and peak directional antennas for microwave line of sight communications.

The built in GPS and digital compass with full featured web based user interface provides rapid and accurate antenna pointing. The user interface includes a stored locations database that allows easy recall of known target locations followed by a final auto peak using radio signal strength.

The QLA-360FERP-20 is typically paired with 1-3 ft antennas, payloads up to 65 lbs (29.5 kg), and offers 360° of azimuth, +120°/-20° of elevation, along with an integrated polarization rotator. Download the Interface Control Drawing (ICD) for more details.

Optional tri-pods, table top mount, radio adapter brackets, antenna adapter brackets, joysticks, and transit cases are also available.

TECHNICAL SPECIFICATIONS – QLA-360FERP-20

Power	Power Over Ethernet (POE) 48VDC-56VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	400° (+/-200°)
Elevation	140° (+120°/-20°)
Polarization	400° (+/-200°)
Positioner Drive Rate	
Azimuth / Elevation	Variable, up to 2.2°/sec no load
Polarization	Variable, up to 6°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.1°
Backlash (Az / El / Pol)	less than 0.15° / less than .15° / less than 2°
Torque	
Operational (Az / El)	60 ft-lbs (81.3 Nm)
Operational (Pol)	5 ft-lbs (6.8 Nm)
Survival (Az / El)	200 ft-lbs (271.2 Nm)
Payload	65 lbs (29.5 kg)
Dimensions	Height: 13.83" (35.1 cm), Width: 8.24" (20.9 cm), Depth: 12.88" (32.7 cm)
Weight	28.0 lbs (12.7 kg)
Mounting Interface	Clamps standard to a 2" dia mast (5 cm). Optional table top mount available
Antenna Mount Options	1/4-20 thumb nuts (tool-less) and 3/8-16 threaded holes (See ICD for details)
Communication Interface	
User Interfaces	Web based hosted internal to unit, Pelco
Ethernet	10/100 Ethernet
Serial	RS-485

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Specifications subject to change without notice