

QLA-360MPT-11

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The QLA-360MPT-11 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-360MPT-11 is typically paired with ~1 ft antennas, payloads up to 15 lbs (6.8 kg), and offers 360° of azimuth and +/-90° of elevation range. Download the Interface Control Drawing (ICD) for more details.

Optional pole mounts, radio adapter brackets, antenna adapter brackets, polarization rotators, joysticks, and transit cases are also available.

TECHNICAL SPECIFICATIONS – QLA-360MPT-11

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	180° (+/-90°)
Positioner Drive Rate	
Azimuth	Variable, up to 6.5°/sec no load
Elevation	Variable, up to 6.5°/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 (both axes)	less than 1°
Torque	
Operational (both axes)	20 ft-lbs (27.1 Nm)
Survival (both axes)	N/A (Backdrivable)
Payload	15 lbs (6.8 kg)
Dimensions	Height: 8.86" (22.5 cm), Width: 9.48" (24.1 cm), Depth: 6.00" (15.2 cm)
Weight	14.0 lbs (6.4 kg)
Mounting Interface	Table top mount (See ICD for details)
Antenna Mount Options	1/4-20 threaded holes or 1/4 fastener clearance holes (See ICD for details)
Communication Interface	
User Interfaces	Web based hosted internal to unit, Pelco D.
Ethernet	10/100 Ethernet
Serial	RS-485

REV A

Specifications subject to change without notice