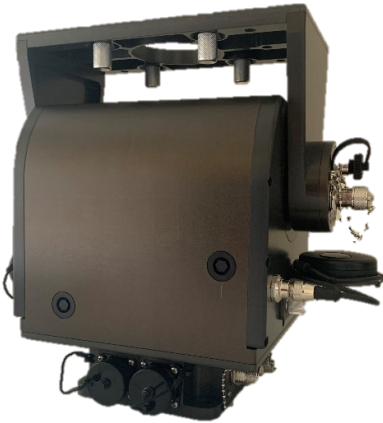


QLA-360VPR-20

AUTO ACQUISITION ANTENNA POSITIONER WITH OPTIONAL ENCODERS



The QLA-360VPR-20 is a Power Over Ethernet (PoE) antenna positioner designed from the ground up to automatically point and peak directional antennas for microwave or millimeter wave line of sight or satellite 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-360VPR-20 is typically paired with up to 2ft antennas, payloads up to 50 lbs (22.68 kg), and offers 360° of azimuth & +/-95° of elevation range. Download the Interface Control Drawing (ICD) for more details.

The VPR series offers optional encoders that improve pointing accuracy and feedback resolution in both axis. Optional pole mount adapter, tripods, polarization axis, and, antenna adapter brackets are also available.

TECHNICAL SPECIFICATIONS - QLA-360VPR-20

Power	Power Over Ethernet (POE) 48VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	400° (+/-200°)
Elevation	190° (+/-95°)
Positioner Drive Rate	
Azimuth	Variable, up to 3.9°/sec no load
Elevation	Variable, up to 1.2°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Non-Operational	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.1° standard and 0.01° with encoder options
Backlash (Az/EI)	less than 0.15°
Torque	
Operational (Az&EI)	50 ft-lbs (67.8 Nm)
Survival (Az&EI)	100 ft-lbs (135.6 Nm)
Payload	50 lbs (22.7 kg)
Dimensions	Height: 11.83" (30.0 cm), Width: 11.88" (30.2 cm), Depth: 6.75" (17.1 cm)
Weight	29.5 lbs (13.4 kg)
Mounting Interface	Table top mount with optional 2" pole mount adapter (See ICD for details)
Antenna Mount Options	1/4-20 thumb nuts (tool-less) and 5/16 clearance holes (See ICD for details)
Communication Interface	
User Interfaces	Web based hosted internal to unit or QPARUSA proprietary command protocol
Ethernet	10/100 Ethernet
Serial	RS-232
Other	SNMP radio Interfaces for Acquisition and Peaking