

QLA-360MPS-55-Q02

Radome Enclosed Antenna Positioner for QPAR QSR-600 Antenna



Shown without Radome

The QLA-360MPS-55 radome enclosed positioner is designed to be integrated with any QPAR QSR-600 antenna with various options of RF frequency ranges (not included). Configurations available from 6.5-40 GHz with dual linear polarized feeds can be mounted in simultaneous vertical and horizontal, or slant 45 configuration.

The embedded antenna controller has a built in GPS, digital compass, and user activated IMU for pitch/roll/yaw stabilization.

The web-based user interface provides configuration, monitor, and control of the antenna positioner and offers NORAD two line element program tracking, list tracking and GEO pointing with user defined scanning and peaking tools. In addition, QPAR has a command line interface for customers that want to add our solution into a larger system.

The QLA-360MPS-55-Q02 offers 360° of azimuth travel and -10° to +100° of elevation range. Continuous azimuth range of motion is available utilizing a slip ring and RF rotary joint. Optional GPS heading unit and pole mount adapters are available upon request. Download the Interface Control Drawing (ICDN901588) for more details.

TECHNICAL SPECIFICATIONS - QLA-360MPS-55-Q02

Power	50-57Vdc, 4 Pair PoE, Passive (Indoor Rated 50Vdc Supply Included)
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	440° (+/-220°)
Elevation	110° (- 10° to +100°)
Positioner Drive Rate	
Azimuth	Variable, up to 100°/sec no load
Elevation	Variable, up to 60°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C) or -40 to 140°F (-40 to 60°C) with Extended Temperature Option
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.01
Mounting Interface	See ICD for optional pole mount adapters (2", 2.5", 3", 3.5", 4" & 4.5")
Weight	113 lbs (51.3 kg) without antenna/radio
Dimensions with Radome	Height: 35.6" (90.3 cm), Diameter: 34.4" (87.3 cm)
Maximum Swept Volume	Internal Diameter: 31.8" (80.8 cm)
Antenna Interface	Interfaces with QPAR QSR-600 Antenna (Not Included) (Interface is Customizable)
Stabilization	Pitch/Roll/Yaw (User Activated)
Communication Interface	
User Interfaces	Web based hosted internal to unit or proprietary command protocol
Positioner Ethernet	10/100 Ethernet
Standard RF Cable	(1) DC-18GHz N-Type RF, 77" (196 cm) Long (Cable Type Flexcore 210)
Other	SNMP Interfaces for Acquisition and Peaking

Specifications subject to change without notice