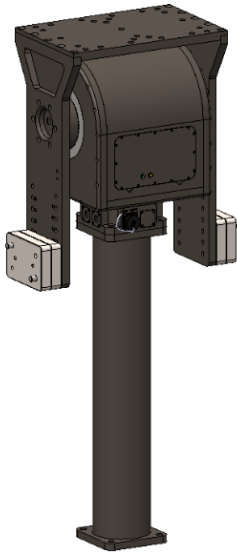


QLA-360MPT-40

AUTO ACQUISITION and PROGRAM TRACKING FOR SATELLITES



The QLA-360MPT-40 is designed from the ground up to automatically point directional antennas for satellite communications.

The embedded antenna controller with built in GPS and digital compass has a full featured web based user interface which provides rapid and accurate antenna pointing. The user interface includes manual control and status along with a stored satellite database and two line element set program track capability which allows easy tracking of satellites in low or medium earth orbit. QPARUSA also has a command line interface for customers that want to add our solution into a larger system.

The QLA-360MPT-40 is typically paired with 4-6 ft antennas, payloads up to 100 lbs (45.4 kg), and offers 360° of azimuth and $\pm 90^\circ$ (180°) of elevation range. The positioner has an optional $\pm 10^\circ$ tilt axis to eliminate keyhole effect for overhead passes.

TECHNICAL SPECIFICATIONS – QLA-360MPT-40

Power	48VDC-56VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	400° (+/-200°)
Elevation	180° (+/- 90°)
Optional Tilt Axis	20° (+/- 10°)
Positioner Velocity / Acceleration	
Azimuth	Velocity 12°/sec , Acceleration 6°/sec ²
Elevation	Velocity 7°/sec , Acceleration 3.5°/sec ²
Optional Tilt	Velocity 3°/sec , Acceleration 1.5°/sec ²
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 / Tilt)	less than 0.1° in all axes
Torque	
Operational (Az / El/Tilt)	Az= 50 ft-lbs (67.8 Nm) El and Tilt =100 ft-lbs (135.58 Nm)
Payload	100 lbs (45.4 kg)
Dimensions without riser	Height: 21.38" (54.3 cm), Width: 15.25" (38.74 cm), Depth: 11.5" (29.2 cm)
Weight	112 lbs (50.8 kg) without Counterweight Kit
Mounting Interface	Table top mount (See ICD for details) Picture shown mounted to optional pedestal riser
Communication Interface	
User Interfaces	Web based hosted internal to unit
Ethernet	10/100 Ethernet
Other	Satellite Modem Interfaces for Acquisition and Tracking

REV A

Specifications subject to change without notice