

# LinkAlign-360AZR-20

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The LinkAlign-360AZR-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 LinkAlign-360AZR-20 is specifically designed to interface with the U.S. and NATO forces Band III, Band III+, and Band 4 line of sight radio systems. The positioner can accommodate payloads up to 90 lbs (40.8 kg), and offers 360° of azimuth range. Download the Interface Control Drawing (ICD) for more details.

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

## TECHNICAL SPECIFICATIONS - LinkAlign-360AZR-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°)
Positioner Drive Rate	
Azimuth	Variable, up to 2.2°/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	less than 0.15°
Torque	
Operational	60 ft-lbs (81.3 Nm)
Survival	200 ft-lbs (271.2 Nm)
Payload	90 lbs (40.8 kg)
Dimensions	Height: 14.95" (37.97 cm), Width: 7.75" (19.69 cm), Depth: 10.63" (27.00 cm)
Weight	15.6 lbs (7.1 kg)
Mounting Interface	Clamps standard to a 2" dia mast (5 cm). Optional table top mount available
Antenna Mount Options	1.555" (39.5cm) pole mount with anti rotation pin (See ICD for details)
Communication Interface	
User Interfaces	Web based hosted internal to unit, Pelco D, or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Serial	RS-485

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Specifications subject to change without notice