LinkAlign-360AZR-10

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT

The LinkAlign-360AZR-10 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-10 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 60 lbs (27.2 kg), and offers 360° of azimuth range. Download the Interface Control Drawing (ICDN900231) for more details.

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

TECHNICAL SPECIFICATIONS - LinkAlign-360AZR-10	
Power	
Power Over Ethernet (PoE)	48Vdc, 1000W (Indoor Rated Supply Included)
Standby / Maximum Power Draw	<10W / 60W
Optional DC Input	20-60V
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	440° (+/-220°)
Positioner Drive Rate	
Azimuth	Variable, up to 4.5°/sec max load
Temperature	
Operational [1]	-22° to 140°F (-30° to 60°C)
Survival	-40° to 158°F (-40° to 70°C)
Feedback Resolution	0.1°
Backlash (Az)	less than 0.25°
Payload	60 lbs (27.2 kg)
Dimensions	Height: 14.85" (37.7 cm), Width: 7.75" (19.7 cm), Depth: 10.00" (25.4 cm)
Weight	13.5 lbs (6.1 kg)
Mounting Interface	Clamps standard to a 2" dia mast (5 cm). Optional table top mount available
Antenna Mount Options	See ICD for details
Communication Interface	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Ethernet	1000 Mbps / 1 Gbps @ 100 MHz (Cat5e)
Optional Serial	RS-232

[1] Minimum temperature specified at no load

Specifications subject to change without notice

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