

LinkAlign-360FER-50

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LoS & SATELLITE



The LinkAlign-360FER-50 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 and 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 or satellite slot locations followed by a final auto peak using radio signal strength. In addition, the threshold repeaking feature maintains the link's maximum quality of service by interfacing directly with your radio or satellite modem to monitor signal strength and automatically realign the link when needed.

The LinkAlign-360FER-50 is typically paired with 4-8 ft antennas, payloads up to 500 lbs (226.8 kg), and offers 360° of azimuth & +110°/0° of elevation range. Download the Interface Control Drawing (ICD) for more details.

TECHNICAL SPECIFICATIONS - LinkAlign-360HD12-10	
Power	Power Over Ethernet (POE) 48VDC-56VDC Supply Included
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	400° (+/-200°)
Elevation	110° (+110°/0°)
Positioner Drive Rate	
Azimuth	Variable, up to 0.7°/sec no load
Elevation	Variable, up to 0.7°/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 (Az / El)	less than 0.05° in both axes
Torque	
Operational (Az / El)	100 ft-lbs (135.6 Nm) or 350 ft-lbs (475.5 Nm) in Elevation with Counterweight Kit (-CTWT)
Survival (Az / El)	400 ft-lbs (542.3 Nm)
Payload	500 lbs (226.8 kg)
Dimensions	Height: 19.75" (50.2 cm), Width: 26.0" (66.0 cm), Depth: 26.0" (66.0 cm)
Weight	112 lbs (50.8 kg) or 228 lbs (103.4 kg) with Counterweight Kit (-CTWT)
Mounting Interface	Table top mount (See ICD for details)
Antenna Mount Options	(8) 3/8" Clearance Holes on a 25" dia Bolt Circle (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
Other	Satellite Modem and LoS Radio SNMP Interfaces for Acquisition and Tracking

Rev C