

LinkAlign-15HD6

AUTO ACQUISITION ANTENNA POSITIONER FOR MICROWAVE LINE OF SIGHT



The LinkAlign-15HD6 is an antenna positioner designed from the ground up to automatically maintain microwave line of sight communication links for 4-6 ft antennas. Narrow beam antennas often require realignment due to seasonal fading of misalignment caused by wind loading.

The full featured web based user interface provides rapid and accurate antenna realignment. The user interface includes remote signal strength monitoring and auto peaking tools that can automatically trigger antenna realignment based on radio signal strength.

The LinkAlign-15HD6 is typically paired with 4-6 ft antennas, payloads up to 300 lbs (136.1 kg), and offers +/-15° of azimuth and elevation range. Download the Interface Control Drawing (ICD) for more details.

TECHNICAL SPECIFICATIONS - LinkAlign-15HD6

Power	48VDC
Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	15° (+/-7.5°)
Elevation	15° (+/-7.5°)
Positioner Drive Rate	
Azimuth	Variable, up to 0.5°/sec no load
Elevation	Variable, up to 0.5°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Az / El Repeatability	+/-0.05°
Torque	
Operational (both axes)	500 ft-lbs (677.9 Nm)
Survival (both axes)	1000 ft-lbs (1355.8 Nm)
Payload	300 lbs (136.1 kg)
Dimensions	Height: 37.0" (94.0 cm), Width: 37.0" (94.0 cm), Depth: 22.5" (57.2 cm)
Weight	130 lbs (59.0 kg)
Mounting Interface	Clamps standard to a 4.5" dia mast (11.4 cm)
Antenna Mount Options	Any commercial antenna between 4 and 6 feet in diameter
Communication Interface	
User Interfaces	Web based hosted internal to unit, Pelco D, or Nextmove proprietary command protocol
Ethernet	10/100 Ethernet
Serial	RS-485