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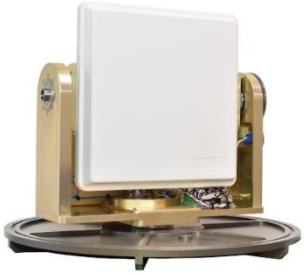
nextmove
TECHNOLOGIES, LLC

LinkAlign-C360MPS-10

AUTO ACQUISITION and TRACKING FOR MICROWAVE LOS



The LinkAlign-C360MPS-10 is designed to auto acquire and actively maintain maritime Line of Sight communications for ship to ship or ship to shore point to point or point to multipoint networks.

The embedded antenna controller has a built in GPS, digital compass, and optional on board gyro stabilization. C360MPS has the capability to accept external pitch and roll from available on board sensor suites. The web based user interface provides configuration and monitoring of the radio link. In addition Nextmove has a command line interface for customers that want to add our solution into a larger system.

The LinkAlign-C360MPT-10 has an integrated 5 GHz unlicensed antenna and will accept many commercial Radio/ODU solutions available on the market today. Nextmove can also deliver a complete solution integrated with a radio.

TECHNICAL SPECIFICATIONS - LinkAlign-C360MPS-10	
Power	50-57Vdc, 4 Pair PoE, Passive (Indoor Rated 50Vdc Supply Included)
External Material / Finish	Aluminum with stainless steel hardware / Hard coat anodize
Positioner Travel	
Azimuth	Continuous 360°
Elevation	110° (- 10° to +100°)
Positioner Drive Rate	
Azimuth	Variable, up to 25°/sec no load
Elevation	Variable, up to 25°/sec no load
Temperature	
Operational	-22 to 140°F (-30 to 60°C)
Survival	-40 to 158°F (-40 to 70°C)
Feedback Resolution	0.01°
Weight	60 lbs (27 kg) without radio (Typical radio weight ~5lbs (2.2 kg))
Dimensions with Radome	Height: 24.5" (62.2 cm), Diameter: 24.5" (62.2 cm)
Maximum Swept Volume	Internal Diameter: 21" (53 cm)
Antenna Details	
Gain	23.5dBi
3dB Beamwidth	7° Vertical and Horizontal
Frequency Range	4.9 - 5.875 GHz
Communication Interface	
User Interfaces	Web based hosted internal to unit or Nextmove proprietary command protocol
Positioner Ethernet	10/100 Ethernet
Pass Thru Radio Connector	Weather Tight RJ-45 for PoE connection to radio
Other	SNMP Interfaces for Acquisition and Tracking to most commercial radios

Specifications subject to change without notice