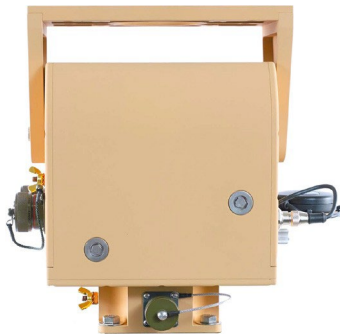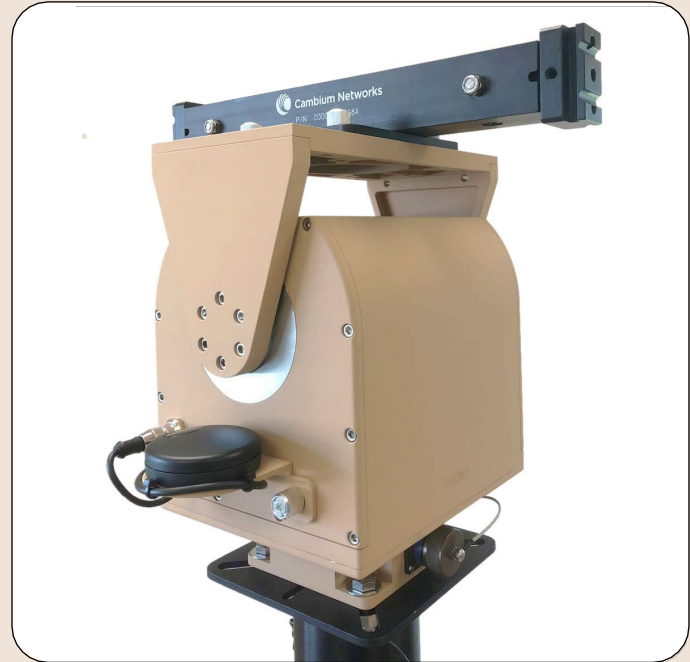# Tactical Deploy 90 (TD 90)

QUICK LOOK:

- **Fast deployment of PTP 700 MIL-STD radios**

- **Aligns radio to destination radio, whether destination radio GPS location is known or not**

- **Deployable in GPS-denied environments**

- **Designed for tactical operators**

- **MIL-SPEC data and power connectors**

The Tactical Deploy 90 (TD 90) provides an automated link establishment positioner solution for Cambium Networks' MIL-STD radios such as the PTP 700. The TD 90 provides alignment and link acquisition, whether the destination location is known or not, and even in GPS-denied environments. Link setup and remote management tools are available through the Cambium radio web-based user interface. The TD 90 allows for upload of Cambium LINKPlanner files for pre-configuration or at time of deployment for maximum ease of use and integration into customer enterprise management systems.

APPLICATIONS

- Deployment of tactical links both at short and long distance in minutes

KEY FEATURES

- Fully integrated solution with positioner and radio

- Available in a full range of tactical connectivity kits

- Compatible with PTP 700 MIL-STD radios

- Simplified user interface and setup

- Designed for tactical operators

- Ruggedized mechanics and cabling for harsh environments, and environmentally sealed for upright or inverted operation

- Lowest power draw of any competing solution; can be powered via PTP 700 Power Indoor Unit (PIDU), R-PIDU, R-NIU, R-EPI

Tactical Deploy 90 (TD 90)

General Specifications

Model Number	C000000L067B – White
	C000000L068B – Green
	C000000L069B – Desert tan
	C000000L070A – Black
Country of Origin	United States
Physical Dimensions	11.18 x 9.23 x 6.75 in
	(284 x 234.4 x 171.5 mm)
Weight	25 lb (11.34 kg)

Electrical Specifications

Communications	10/100/1000 Ethernet
Power	Power over Ethernet (PoE) 48-56VDC @48 W or separate input 18-56VDC @ 48 W
Data & Power Connectors	MIL-DTL-38999 data & DC in and Amphenol RJFTV21G for Ethernet data passthrough and out-of-band Ethernet passthrough and FKFD GPS connector

Mechanical Specifications

Payload	100 lb (45.36 kg)
Az/El Operational Torque	90 ft-lb (122 N-m)
Drive Rate Azimuth	3.5 deg/sec
Drive Rate Elevation	1.1 deg/sec
Travel Range Azimuth	400˚ (±200°)
Travel Range Elevation	60° (±30°)
Material Finish	Anodized aluminum with stainless steel hardware
Mounting	Direct bolt upright or inverted 4X .400 DIA 3/8" fastener clearance 3.36" SQ hole pattern or optional MLOS connectivity kit tool-less quick-connect mast mounting bracket
Ingress Protection Rating	IP67
Operational Temp	-30°C to 60°C (-30°F to 140°F)
Survival Temp	-40°C to 70°C (-40°F to 158°F)
Antennas Supported	Integrated, 2' parabolic, 3' parabolic grid

Software Specifications

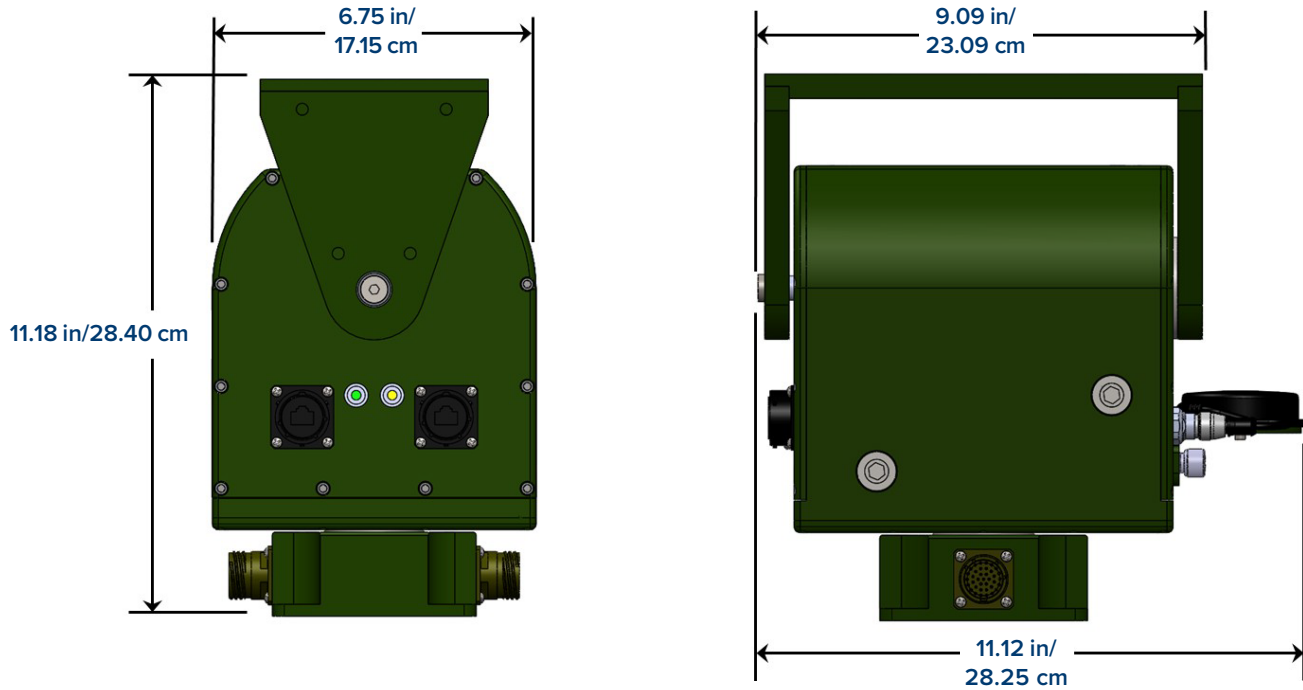|	
User Interface	Web-based hosted internal via embedded controller or via PTP 700 proxy
Remote Management	SNMP v1/v2c/v3
Alignment Modes	**Mode 1**: Align with GPS-provided location
	Mode 2: Align without GPS location
	Mode 3: Align in GPS-denied location
Radios Supported	PTP 45700, PTP 78700
Alignment Pre-configuration	Stored destination locations, uploadable via LINKPlanner
Link Optimization	Automate alignment based on antenna size
Link Maintenance	Re-peak existing links to maintain optimal connections
Boot Up Settings	Maintain current alignment settings or start anew
Stow Functionality	Customizable stow position
Maintenance Features	Syslog, factory reset

Tactical Deploy 90 (TD 90)

Dimensions

6.75 in/ 17.15 cm

11.18 in/28.40 cm

9.09 in/ 23.09 cm

11.12 in/ 28.25 cm

ABOUT CAMBIUM NETWORKS

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences, and device connectivity, with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We deliver connectivity that just works.

cambiumnetworks.com

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