

PRODUCT OVERVIEW

BTS - 50

QDC



Specifications

BTS-50QDC - Quick Deploy Automated Alignment System - (50 lb-ft. Ld Torque)

DIMENSIONS	Positioner: W 261mm (10.3"), H 265mm (10.4"), D 200mm (7.9")
	Controller: W 178mm (7.0"), H 140mm (5.5"), D 76mm (3.0")
WEIGHT	Positioner: 9.9 kg (22 lbs)
	Controller: 2.0 kg (4.4 lbs) w/ controller bracket and mount
OPERATING TEMP	-22° to +131° F (-30° to +55° C)
ENVIRONMENTAL	IP66
PAN/TILT-AXIS RANGE	Pan: ±217° range, Tilt: ±10° soft limit (±20° hard limit)
PAN/TILT-AXIS SPEED	Pan: Up to 22°/sec maximum, Tilt: Up to 11°/sec maximum
ACCURACY	Within 0.05° of beamwidth
POWER CONSUMPTION	Positioner: 85 W maximum
	Controller: 10 W maximum
POWER SUPPLY	Positioner: AC/DC Converter, -40° to 159°F (-40° to +71°C); 240 W; 93-132/186-264 VAC, 47-63 Hz
	Controller: PoE Adapter, 32° to 140°F (0° to +60°C); 60 W; 90-264 VAC, 47-63 Hz
CONNECTIVITY	Positioner: 1x MIL-SPEC Pwr/Ctrl In
	Controller: 1x Eth Data / 1x Pwr/Ctrl Out / 1x DC Pwr In
MOUNTING	3" - 4" Pole Mount Required (Standard)*

System Operation

The BTS-50 Quick Deploy was designed to be as hands off as possible, eliminating the need for advanced technical resources. Upon arrival to the link area, the operator simply raises the mast or tripod and powers on the system. Through the use of our industry-leading link location, alignment, and optimization software, the BATS system will begin its scan and connect sequence - without any additional input from the user.

With its automated operation and on-board control unit, the all-integrated Quick Deploy solution eliminates the need for additional software or even the use of an external rackmount or hardened control unit.

System Features

- Low-Cost Quick Deploy Configuration
- One-touch link location and optimization
- Signal Lobe Optimization for accuracy to within 0.05 of beamwidth
- SNMP Monitoring & Dynamic Service Level Validation
- HTTPS, SSH, Telnet Management
- Dynamic system compensation for azimuth and elevation
- Signal Health Monitor to counteract signal weakness or link disruption
- Integrated control unit, no RMCU or HCU required
- Field Link connection in under 5 minutes
- Key for dynamic re-optimization of marginal links
- Ideal for millimeter wave PTP networks


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