

PRODUCT OVERVIEW



GROUNDSTATION PANEL ANTENNA	
FREQUENCY	L-BAND (1350-1440MHz)
RF GAIN (MAX)	15dBi



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GROUND STATION

Ultimate Ground-Air Communications Solution

The GROUND STATION features an enhanced version of BATS proprietary automated connection technology that extends communications and control (C2) range far beyond typical omni-directional antenna systems. By leveraging the use of predictive signal-quality data in combination with GPS/heading data the GROUND STATION effectively automates the connection and tracking process, providing operators high-quality telemetry, video, and control access miles from the operational area.

Multi-band, Multi-MIMO Operation

The Innovative multi-band, Multi-MIMO antenna platform allows for either redundant radio links across a wide range of frequencies, or enhanced beamforming capabilities with its 4-port arrangement. This configuration proves ideal for operating with 4-Port beamforming radios like the Silvus SC4400 or Mimosa A5C.

System Agnostic

Weather resisted protected enclosure designed specifically for a harsh environment
Fully customizable process allows for near universal list of frequency/radio configurations

Nomadic Deployment

Tripod or mast-based configuration allows for rapid deployment in necessary locations.

Specifications	
Ground Station 50 - Ground-to-Air Tracking for Aerial Vehicle Communications	
PART NO	BTS-50QD-C-GS
PHYSICAL DIMENSIONS	44.5" x 44.9"
WEIGHT	75 lbs. (est.)
ENVIRONMENTAL	Standardized to IP-65
OPERATING TEMP	Standard: -40°C - 65°C
OPERATING POWER	Peak: 100 Watts Standby: 10 Watts
PAN/TILT-AXIS RANGE*	±217° or 360° Continuous (PAN) ±20° (TILT)
PAN/TILT-AXIS SPEED	Up to 10°/sec (PAN) Up to 5°/sec (TILT)
MOUNTING*	3" - 4" Pole Mount (Required)
OPERATING VOLTAGE	DC: 24 VDC
	PoE: Passive 24V Capable
NETWORK PORTS	(10/100 Mbps)