Locate, Optimize and Track Wireless Connections

This first-of-its-kind technology integrates a directional antenna system that is mounted on a pan-tilt aiming chassis with a wireless broadband radio. The integration, along with the performance characteristics of the directional antenna, create search patterns and predictive algorithms that automatically locate a desired connection point, establish communications and track one or both of the wireless broadband radios.

BATS Technology

- Is a cost-effective communications solution compared to satellite or other alternatives
- Quick return on investment. Provides significant cost savings with the elimination of man-hours associated with manual redirection
- Supports and enhances any wireless communications system or vendor equipment
- Rapid deployment or extension of a wireless network
- Allows for moving vehicles on land, water and in air to access critical broadband communications resources such as data, voice over Internet protocol (VoIP) and streaming video
- Solves the unique problems resulting from limited technical resources in the deployment of wireless networks, applications requiring manual antenna alignment, or applications when frequent antenna realignment is required due to natural causes or equipment movement
- Provides continuous optimization for maximum throughput

Markets

- Oil and Gas Exploration and Production
- Military
- Homeland Security
- Emergency Response
- Maritime
- Construction
- Mining
- Agriculture
- Rural Development

BATS Systems

The BATS Systems are a quick deployable, self-aligning antenna and tracking system consisting of a computer controlled Positioning Unit paired with either a Rack Mount or a Hardened Control Unit.

This system minimizes the technical skills and time required to deploy broadband communications. Once configured, no user input is required for operation and with BATS' extensive built-in remote management capabilities, the system can be managed remotely.

Our systems are technology agnostic allowing it to support any wireless broadband radio and antenna combination in any frequency. Our positioning units are ruggedized for the harshest of environments.

BATS Heavyweight Payload Products

In addition to our original BTS-3300 (33lbs), we now offer BTS heavyweight payload products supporting a range of radio and antenna weights from 50 pounds up to 500 pounds.

	BTS-3300	BTS-5000	BTS-9000	BTS-20000	BTS-50000
Positioning Unit Payload	**33lbs (15kg)**	**50lbs (23kg)**	**90lbs (41kg)**	**200lbs (90.7 kg-m)**	**500lbs (679nM)**
 **Rack Mount Control Unit 1U** Power AC Standard 1.75" (H) X 19" (W) X 13" (D) 4.4cm (H) X 48.3cm (W) X 33.0cm (D)	X	X			
Rack Mount Control Unit 2U Power AC Standard 3.5" (H) X 19" (W) X 13" (D) 8.9cm (H) X 33.8cm (W) X 33.0cm (D)			X	X	X
 **Hardened Control Unit** Power AC Standard IP66, Salt, Fog, Sea Spray & Sand, MIL-810F 100-240VAC 50 to 60Hz, DC: 10.5-34.5VDC with Auto Sense 150 Watts max. (optional PoE, 200 Watts max.) -20C to +60C Operating Temp.(optional -40C)	X	X	X	X	
Power over Ethernet (PoE) DC Power (optional)	X	X	X	X	X
 **Positioning Unit** Pan: +/- ____ Continuous Tilt: +/-20º IP66, Salt, Fog, Sea Spray, -33C to +60C Operating Temperature	Pan: 360º	Pan: +/- 217º	Pan: +/- 217º	Pan: +/- 180º	Pan: +/- 180º
Communication Available IP Management (Local & Remote) Internet Explorer 6.0+, SSH, Telnet	X	X	X	X	X

BATS engineers continuously strive to improve all aspects of BATS equipment, specifications are subject to change without notice.

BATS
EXTENDING BROADBAND

Contact TESSCO Today!
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