TracStar750P

.75Meter, Vehicle Mount Antenna System
Data Specification

The most important thing we build is trust

TracStar 750P Antenna System

The TracStar Series of vehicle mount and fly-away antenna systems allows personnel with little or no satellite experience to operate mobile Very Small Aperture Terminal (VSAT) satellite communications equipment, enabling the user to access any broadband application over satellite.

The MVS Series of antennas are typically owned and operated by:

- Corporations with remote or mobile office and monitoring applications
- Federal, State and Public Safety agencies for law enforcement, emergency response and homeland security communications

- Military rapid deployment, SATCOM on the pause applications

With TracStar's MVS Series antennas, users enjoy the same reliable, secure, high-speed IP based data communications they are accustomed to in the office, while mobile. Users can get connected Anywhere/Anytime for applications such as Secure, high-speed digital communications, High-speed internet access, voice and FAX communications, Teleconferencing, Wide area private network extension and video broadcasting.

Reflector

Size	75cm Ku-band eliptical (89 cm wide x 62 cm high)
Mount	3-Axis: Polarization over Elevation over Azimuth
Polarization	Linear, Co or Cross-Polarized

Travel

Azimuth	400˚ or ± 200˚ from Stow Position
El - Operational	0-65˚ (+) stow position
Polarization	± 65˚

Travel Velocity

Slewing / Deploying	
Azimuth	10˚ per second
Elevation	5˚ per second
Manual Jog	1.0˚ or 2.0˚ per second

Electrical Interface

RF	75Ω Tx/Rx Type F Connector (50Ω option)
Interfacility Link	32 ft. Twin RG6 Coax, 1 Data Cable
	Optional Cables to 150' lengths available on order
Motors	24 VDC Variable Speed
Controller (1U)/Power Supply	50/60Hz, 110/220VAC, Single Phase
Power Consumption–Peak	150 Watts
Power Consumption–Continuous	20 Watts

Antenna Characteristics

Ku	Rx	Tx
Frequency (Ghz)	11.7 - 12.75	13.75 - 14.5
Gain (±2dBi)	37.8 dBi @11.95Ghz	39.3 dBi @14.25Ghz
VSWR	1.30:1	1.30:1
Beam width in Orbital Arc -3dB	2.0˚@12.0Ghz	1.6˚@14.3Ghz
Antenna Noise Temperature	50˚K at 30˚ Elevation	
Polarization	Linear Cross Pol Standard Co-pol optional	
Radiation Pattern Compliance	FCC §25.209, ITU-R S-580-6	

Weights & Measures

Approximate Weight (w/o BUC/ LNB or Case)	92 lbs	(41.73 kg)
Case Dimensions	55" x 43.5" x 20" (139.7 x 110.4 x 50.8 cm)	
Case Weight (w/o antenna)	115 lbs	(52.16 kg)
Height (Case Lid Removed)		
Stowed	18.5"	(46.98 cm)
Deployed	49"	(124.46 cm)
Power Supply / Auxillary Control Unit		
Desk Top Power Supply	9"x 10.25"x2.5" (22.86 x 26 x 6.35 cm)	
Weight	4.5 lbs	(2.04kg)
Display	5½" x 3¼" x 1-3/8" (13.96 x 8.25 x 3.45 cm)	
Weight	0.5 lbs	(0.22 kg)
Rack Mount (1RU)	19" x 8.0" x 1.7" (48.26 x 20.32 x 4.44 cm)	
Weight	4.5 lbs	(2.04 kg)

Antenna Controller

One button operation automatic satellite acquisition with integrated GPS/Compass/ Level Sensors and user configurable satellite selection.

Environmental

Wind	
Operational	30 mph gusting to 45 mph (48.3 to 72.45 kph)
Temperature	
Operational	-20˚ F to 125˚ F
Storage	-30˚ F to 150˚ F

Specifications subject to change without notice.

For further information please contact:

TracStar Systems
1551 College Park Business Center Road
Orlando, Florida 32804 USA
Tel: + 1-407-650-9054
Fax: + 1-407-650-9086