

The TracStar antenna system 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.

TracStar 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

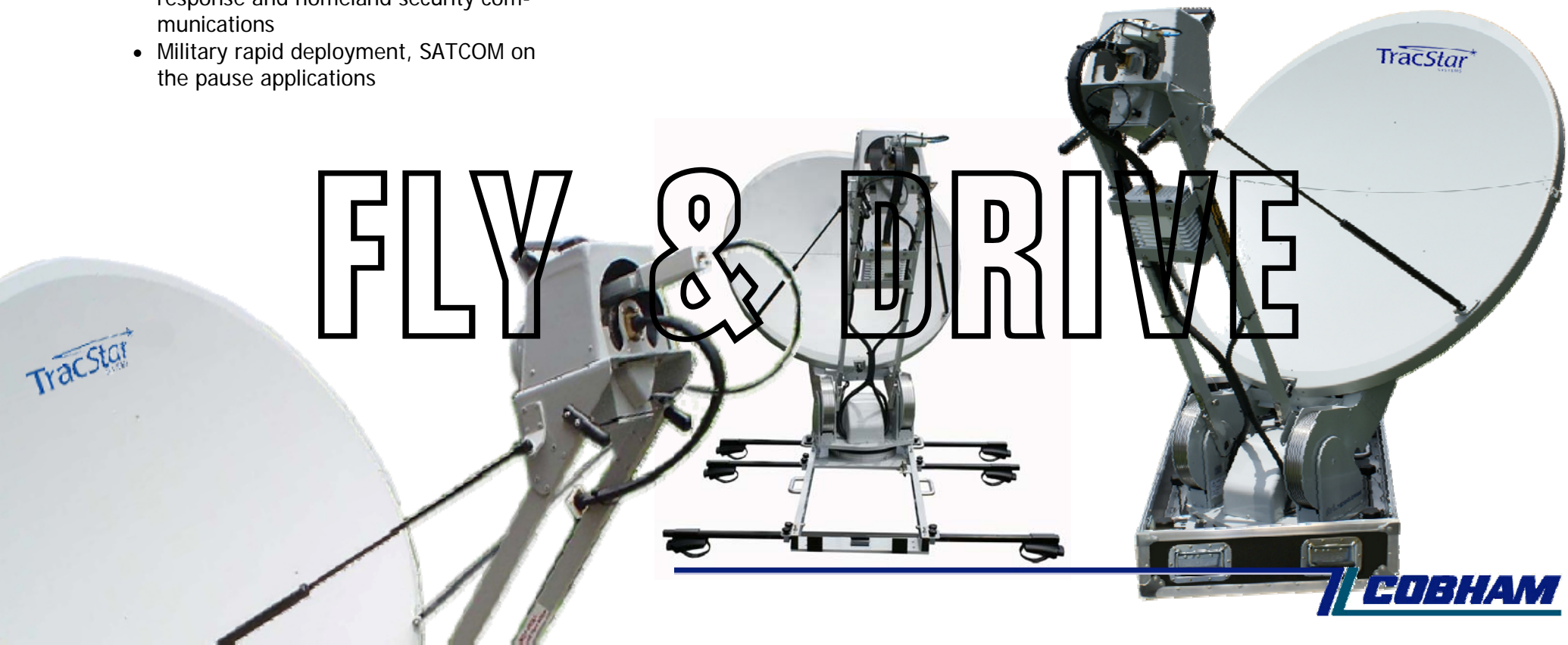
With TracStar antennas, users enjoy the same reliable, secure, high-speed IP based data communications they are accustomed to in the office, while mobile. Users can get connected Anywhere/Anytime for applications such as:

- Secure, high-speed digital communications
- High-speed internet access
- Voice and FAX communications
- Teleconferencing
- Wide area private network extension
- Video broadcasting

TracStar antennas feature:

- Single button push for automatic satellite acquisition
- Rapid deployment and operation on every Ku-band satellite, worldwide
- Works with every satellite modem
- Eliminates the need for -
Leveling the antenna up to 10 degrees
Special test equipment for alignment
Computers or peripheral equipment to operate the antenna
Phone calls to network operators or service providers

FLY & DRIVE



TracStar1200P2 F&D

Reflector

Size	1.2 Meter, Two Piece, SMC Compression Molded
Material	Glass Reinforced Plastics
Optics	Offset Feed, Prime Focus, .8 f/d
Drive System	Patented Roto-Lok® Positioner
Mount Geometry	Elevation over Azimuth

Travel

Azimuth	400° or ± 200° from Stow Position
Elevation-Operational	0-65 (+) Stow Position
Polarization	±65°

Travel Velocity

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

Electrical Interface

RF Interface	
75Ω Tx / Tx Type F Connector	
Interfacility Link	100' Dual RG6 Coax, 1 Control Cable
Motors	24V DC Variable Speed, Constant Torque
Waveguide	Grove Flexible Waveguide From Feed
Coax	Twin RG6 run from feed to base plus 32 ft.
Electrical Interface	32 ft. (9.75M) Cable with Connectors for Controller
Manual Drive	Handcrank on Az and El Axii
Input Power	110/240 VAC, Single Phase, 50/60 Hz, 6/3A

Antenna Characteristics

	Receive	Transmit
Frequency (GHz)	10.95-12.75	13.75-14.5
Gain (Midband)	41.6 dBi	43.2 dBi
VSWR	1.30:1	1.30:1
Beamwidth (degrees)		
-3 dB	1.36	1.15
Antenna Noise Temperature		49° K at 20° Elevation
Polarization	Linear Cross-Pol Standard, Optional Co-pol	
Cross-Pol Isolation		
On Axis (minimum)	30 dB	30dB
Sidelobe Compliant with	29-25 LogØ	29-25 LogØ
Radiation Pattern Compliance	FCC §25.209, ITU-R S-580-6	

Weights & Measures

(With 4W Buc and LNB)		
Antenna with Reflector	147 lbs	(66.7 kg)
Pedestal Case Covers (Only)	97 lbs	(44 kg)
Pedestal with Covers	235 lbs	(106.6 kg)
Reflector Case (with Reflectors)	134 lbs	(60.8 kg)

Antenna Case Dimensions (in.) Covers On	61.5x22x27	(140.96 x 53.33 x 67.94 cm)
Reflector Case Dimensions	58x19x38-1/4	(147.32 x 48.26 x 97.15 cm)

Controller Portable Power Supply/Display Unit

Weight - Power Supply (CE Approved)	4.5 lbs.	(2.04 kg)
Display Unit	0.5 lbs.	(0.22 kg)
Power Supply	9"Wx 10.25"Dx2.5"H	(22.86 x 26 x 6.35 cm)
Display Unit	5 1/2"W x 3 1/4"D x 1-3/8"H	(13.96 x 8.25 x 3.45 cm)

Rack Mount (1RU)

Weight	4.5 lbs.	(2.04 kg)
Dimensions	19.0"W x 8.0"D x 1.75"H	(48.26 x 20.32 x 4.44 cm)



Controller

Auto-acquisition	One-button operation automatic satellite acquisition with integrated GPS/Compass/Level Sensors and user configurable satellite selection
Size	1 RU Controller—Optional Portable Unit
Input Power	110/240 VAC, Single Phase, 50/60 Hz, 6/3A peak, 1A continuous

Mechanical

Az/El/Pol Drive System	Patented Roto-Lok® Cable Drive System
3 Sets of Thule CrossRoads 450 and 58" Load Bars	

Environmental

Wind	
Survival	
Stowed	100 mph (161 kph)
Operational	60 mph @ 60°F (96.6 kph)
Temperature	
Operational	-20°F to 125°F
Storage	-30°F to 140°F



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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