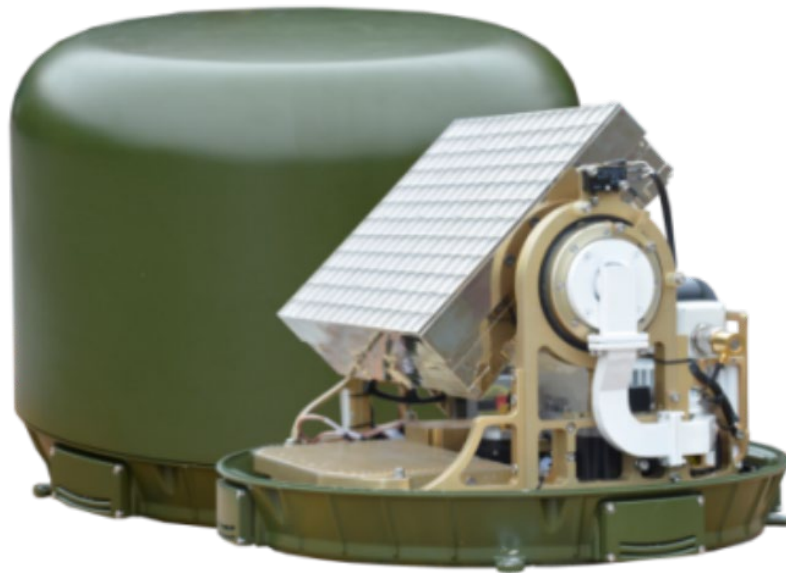


China Starwin 0.45m SOTM Flat Panel Antenna



General Description of 0.45m Satcom On-The-Move antenna

The 0.45m low profile On-The-Move antenna system is the best solution to establish mobile VSAT station to provide reliable, continuous, quick-deployed broadband connectivity.

The system uses two-way phased array technology, gyro pointing and beacon tracking combination technology, making the product of rapid capture, easy operation and high precision of tracking. The electrical performance is compliant with FCC and ITU-RS-580 sidelobe specifications and Intelsat, Eutelsat, SES, AsiaSat, ChinaSat, etc requirement.

Features:

- Light weight and stable structure
- Very low profile and slim design
- Automatically track satellite in the motion or static state
- Vehicle moving speed can be more than 350Km/h
- Gyro orientation + beacon tracking mode
- Special plastic with light weight and other advantages

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Technical Specification:

Item		Equivalent size 0.45 M
Working Frequency	Tx GHz	14.00-14.50
	Rx GHz	12.00-12.75
Gain	Tx dBi	≥33.5
	Rx dBi	≥32.5
VSWR	Tx	1.25
	Rx	1.25
Interface		WR-75
Isolation Tx to Rx dB		≥85
Polarization		Linear, Automatic adjustment
XPD dB		≥30
Sidelobe Envelope		ITU-R S.465-6
Azimuth & Elevation Range	Az: 360° Continuous	
	El: 0°-90°	
Polarization Range		360° Continuous
Tracking Accuracy		≤0.3β0.5° β0.5°is Rx Beam Width
Acquire Time sec		≤120
Max Angular Velocity	Az≥80°/s	
	El≥60°/s	
Max Angular Acceleration	Az≥200°/s ²	
	El≥200°/s ²	
Working Temperature	-25°C ~ +55°C (Inside cabin)	
	-40°C ~ +65°C (Outside cabin)	
Shock Vibration		MIL-STD-810F
Power		220VAC, 50Hz
Power Consumption		≤150W
Weight		≤32kg
Size		Φ31.5" × 11.81" Φ800mm×300mm

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