

## China Starwin 0.75m SOTM Flat Panel Antenna



### General Description of 0.75m SOTM Flat Panel Antenna

The 0.75m low profile Satcom On-The-Move (SOTM) antenna system operates in Ku band services worldwide, provides affordable broadband connectivity via satellite to car, SUV, recreational vehicle (RV), such mobile vehicles or trains.

The antenna typical application is to establish real-time transmission for voice, video and data between land VSAT station and other fixed station. The electrical performance is compliant with FCC and ITU-RS-580 sidelobe specifications and Intelsat, Eutelsat, SES, AsiaSat, ChinaSat, etc requirement.

### Features:

- Very low profile, strong environmental adaptability
- Flat array antenna with high gain
- Automatic satellite acquisition and tracking
- Gyro orientation + beacon tracking mode
- Special plastic with light weight and other advantages

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**Technical Specification:**

Item		Equivalent size: 0.75 M
Working Frequency	Tx GHz	14.00-14.50
	Rx GHz	12.00-12.75
Gain	Tx dBi	≥38
	Rx dBi	≥37
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 <sup>2</sup>	
	El≥200°/s <sup>2</sup>	
Working Temperature	-25°C ~ +55°C (Inside cabin)	
	-40°C ~ +65°C (Outside cabin)	
Shock Vibration		MIL-STD-810F
Power		220VAC, 50Hz
Power Consumption		≤300W
Weight		≤75kg
Size		Φ53.15" × 13.78" Φ1350mm×350mm

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