

China Starwin 0.3m & 0.45m & 0.6m & 0.75m & 0.9m Flat Panel On the move Antenna



Vehicle Mounted/On the move/Maritime/Portable satellite communication system will be transmitted to the video surveillance system of the communication platform in real time to return to the command center, Image transmission system based on communication platform and command center and emergency call system and data transmission system, When the vehicle is unable to reach certain areas, it can use a portable antenna or portable image transmission system to monitor information and data transmission to a communication vehicle, Then transmitted back to the communication car. Applications are as follows:

- Field information collection of sudden public events and all kinds of disasters
- Rescue and disaster relief
- Public security, military, government, oil field, water conservancy, electric power and other important sectors of the state
- The remote areas and the vast rural areas
- Field operations, military police and news media

On the move /Maritime antenna system development for mobile satellite communication requirements, such as vehicles, ships, aircraft, etc., The combination technology of gyro orientation and beacon tracking, So the product has the advantages of rapid acquisition, simple operation, high tracking accuracy.

The design of the antenna system is scientific and reasonable, which not only has good strength and rigidity, it can meet the requirements of vehicle vibration and impact; But also it has light weight, low power consumption, easy to load. The performance fully meets the requirements of GJB2383-95.

Technical features:

- All operations are auto, without the need of external personnel.
- Initial point to satellite time less than 120 seconds
- Can point to the satellite automatically in the motion state and static state
- Vehicle movement speed can be as high as 150Km/h

Aircraft movement speed can be as high as 600Km/h

The gyro orientation and beacon tracking mode

Antenna use the special plastic, it has the advantage of the light weight and so on

Item		0.3 Meter	0.45 Meter	0.6 Meter	0.75 Meter	0.9 Meter
Working Frequency	Tx GHz	14.00-14.50	14.00-14.50	14.00-14.50	14.00-14.50	14.00-14.50
	Rx GHz	12.25-12.75	12.25-12.75	12.25-12.75	12.25-12.75	12.25-12.75
Gain	Tx dBi	≥31	≥33.5	≥36.5	≥38	≥39.5
	Rx dBi	≥30	≥32.5	≥35.5	≥37	≥38.5
VSWR	Tx	1.25	1.25	1.25	1.25	1.25
	Rx	1.25	1.25	1.25	1.25	1.25
Interface		WR-75	WR-75	WR-75	WR-75	WR-75
Isolation Tx to Rx dB		≥85	≥85	≥85	≥85	≥85
Polarization		Linear, Automatic adjustment	Linear, Automatic adjustment	Linear, Automatic adjustment	Linear, Automatic adjustment	Linear, Automatic adjustment
XPD dB		≥30	≥30	≥30	≥30	≥30
Sidelobe Envelope		ITU-R S.465-6	ITU-R S.465-6	ITU-R S.465-6	ITU-R S.465-6	ITU-R S.465-6
Azimuth & Elevation Range	Az: 360° , Continuous	Az: 360° , Continuous	Az: 360° , Continuous	Az: 360° , Continuous	Az: 360° , Continuous	Az: 360° , Continuous
	El: 0° -90°	El: 0° -90°	El: 0° -90°	El: 0° -90°	El: 0° -90°	El: 0° -90°
Polarization Range		360° ,Continuous	360° ,Continuous	360° ,Continuous	360° ,Continuous	360° ,Continuous
Tracking Accuracy		≤0.3 β 0.5° β 0.5° is Rx Beam Width	≤0.3 β 0.5° β 0.5° is Rx Beam Width	≤0.3 β 0.5° β 0.5° is Rx Beam Width	≤0.3 β 0.5° β 0.5° is Rx Beam Width	≤0.3 β 0.5° β 0.5° is Rx Beam Width
Acquire Time sec		≤120	≤120	≤120	≤120	≤120
Max Angular Velocity	Az ≥80° /s	Az ≥80° /s	Az ≥80° /s	Az ≥80° /s	Az ≥80° /s	Az ≥80° /s
	El ≥60° /s	El ≥60° /s	El ≥60° /s	El ≥60° /s	El ≥60° /s	El ≥60° /s
Max Angular Acceleration	Az ≥200° /s ²	Az ≥200° /s ²	Az ≥200° /s ²	Az ≥200° /s ²	Az ≥200° /s ²	Az ≥200° /s ²
	El ≥200° /s ²	El ≥200° /s ²	El ≥200° /s ²	El ≥200° /s ²	El ≥200° /s ²	El ≥200° /s ²
Working Temperature	-25℃ ~ +55℃ (Inside of cabin devices)	-25℃ ~ +55℃ (Inside of cabin devices)	-25℃ ~ +55℃ (Inside of cabin devices)	-25℃ ~ +55℃ (Inside of cabin devices)	-25℃ ~ +55℃ (Inside of cabin devices)	-25℃ ~ +55℃ (Inside of cabin devices)
	-40℃ ~ +65℃ (Outside of cabin devices)	-40℃ ~ +65℃ (Outside of cabin devices)	-40℃ ~ +65℃ (Outside of cabin devices)	-40℃ ~ +65℃ (Outside of cabin devices)	-40℃ ~ +65℃ (Outside of cabin devices)	-40℃ ~ +65℃ (Outside of cabin devices)
Shock Vibration		MIL-STD-810F	MIL-STD-810F	MIL-STD-810F	MIL-STD-810F	MIL-STD-810F
Power		220VAC, 50Hz	220VAC, 50Hz	220VAC, 50Hz	220VAC, 50Hz	220VAC, 50Hz
Power Consumption		≤100W	≤150W	≤300W	≤300W	≤350W
Weight		≤15kg	≤32kg	≤60kg	≤75kg	≤85kg
Size		Φ 400mm × 350mm	Φ 800mm × 300mm	Φ 1300mm × 299mm	Φ 1350mm × 350mm	Φ 1350mm × 515mm