

1.8M VEHICLE-MOUNT ANTENNA



System Components

- Feed subsystem: carbon fiber reflector and feed;
- Turntable subsystem: 3 axial turntable including Az, El, Pol.;
- Servo control subsystem: antenna control unit, antenna drive unit;
- Position acquisition subsystem: digital compass, GPS;
- Receive subsystem: beacon receiver with high sensitivity.

System features

- Do not need to wear the top, can be installed on the top of commercial vehicle, off-road vehicle, SUV, MPV and military shelter;
- First-class reliability, maintainability and environmental suitable. Suitable for road condition in outdoors and city;

- Antenna system adopts AC220V to do power supply and the power supply mode can be customized based on detailed requirement;
- "One-key" button and personnel can operate without training;
- High accuracy GPS and digital compass with high anti-interference to guarantee the environmental adaption for pointing function and the accuracy for routine pointing. Antenna can auto-pointing if there is not shaded and the vehicle can park in a safety place;
- Antenna auto-pointing do not exceed 3min(RMS);
- Multiple protection function including auto-alarm, hard and soft limit so the antenna can rotary more safety.



1.8M VEHICLE-MOUNT ANTENNA SPECIFICATION

Antenna name		1.8M SNG Vehicle Mounted Antenna		Antenna ty	ype	Offset, single-reflector	
Operating frequency (GHz)		C-I		Ku-band			
		Rx: 3.625~4.2	Tx: 5.85~6.425	Rx: 10.95~	~12.75	Tx: 13.75~14.5	
Gain(dBi)		≥34.7+20lg (f/3.8GHz) ≥39.1+20lg(f/6.25GHz)		≥45+20lg(f/1	2.5GHz)	≥46.1+201g(f/14.25GHz)	
Polarization		Linear/Circular			Linear		
Cross polarization isolation		≥30dB (on axis),			≥35dB (on axis),		
First sidelobe		≤-14 dB			≤ -14 dB		
VSWR		≤1.5			≤1.3		
Travel Range	Az	± 2	220°		Az	0.1°~3 °/s	
	El	10°	~85°	Travel rate	El	0.1°~1 °/s	
	Pol	±	95°		Pol.	0.1°~6 °/s	
Aligning tin	me		≤3	min			
Feed interface		Rx:CPR-229G Tx:CPR-159G/137G			WR75		
Power capacity		≤ 10		≤ 100 W			
Pointing ac	curacy		Superior than 1/5 h	alf power bean	nwidth		
Auto-acqui mode	sition	1	Beacon po	ointing/DVB			
Position mode		GPS or manual input					
Controller		19in	ach 1Ucabinet, OLED so	creen, 256x64	resolutior	ı ratio	
Temperature		-40°C	~+55 °C	Operation	al wind	20m/s	
Storage temperature		-50°C-	-50°C~+65 °C		rind	25m/s	
Humidity		95%((20 °C)	Protection level		IP65	
System consumption		≤ 450W (not including power amplifier					
Power supply		220 VAC±10%, 50Hz±2 Hz					
System w	veight	< 140Kg(not including	power amplifier, packing	ng and attachm	ent)		



• Project case& Customer feedback

1.8M Ku band Vehicle-Mount Antenna in Guyana



1.8M Insat C band Vehicle-Mount Antenna in Bangladesh



I tested your dsng antenna, it is really good antenna



Gain was very good

Do you mean for 1.8m INSAT C band SNG antenna?





Yes

OK. If you met other issues, please contact me directly.











