



1.0m Ku Band Motorized Vehicle Mount Antenna

Feature

- * Carbon fiber reflector with light weight, high strength and accuracy and R.M.S<0.2mm;
- * Vehicle-Mount SNG antennas, support C, X, Ku and Ka band;
- * One button acquisition satellite;
- * Auto- deploy and auto-stow “Smart switch” to complete auto positing, deploy and satellite acquisition;
- * Satellite lock in 3 minutes;
- * Support DVBS1, DVB-S2, beacon and modem in satellite locking;
- * Tracking accuracy is better than 0.3dB(R.M.S).
- * Three modes control: Auto, motorized and manual.
- * Motorized polarization adjustment.

Options

- * 1.0meter offset antenna
- * Auto Control System
- * Az, El and Pol three-axis turnable
- * GPS, Electrical compass
- * High sensitivity beacon receiver
- * A-E Rotary Joint
- * Step Motor
- * Motor Polarization Adjustment



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ELECTRICAL SPECIFICATION

Type	PT100 Ku-Band	
Operating Frequency, GHz	Receive	Transmit
	10.95 ~ 12.75	13.75 ~ 14.5
Gain, Mid-band, dBi	39.6	40.8
Polarization	Linear	
XPD across 1dB Beam Width, dB	35	35
VSWR	1.25	1.25
-3dB Beam Width, Mid-band	1.71°	1.44°
Power Capacity	100W	
Feed Interface	WR-75	WR-75
Isolation, Tx to Rx, dB	40	85
First Sidelobe	<-20dB	
Azimuth	1°-20°29-25 log θ dBi	

MECHANICAL SPECIFICATION

Antenna Diameter	1.0m
Antenna Type	Offset antenna
Main reflector material	Carbon fiber
Net weight	≤55Kg
Mount Type	El. over Az.
Surface Accuracy (RMS)	≤ 0.1mm
Antenna Pointing Range	
Azimuth	±180° in 0.1°Step
Elevation	10° ~ 85°
Polarization	±95° in 0.1°Step

Drive Mode	Manual or Motorized
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ENVIRONMENTAL SPECIFICATION

Wind for operational	20m/s
Wind for survival	30km/h
Wind for survival stowed	180km/h
Temperature operational	-20°C ~ + 60°C
Temperature store	-40°C ~ + 80°C
Sealing class	IP65