



1.2 m 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

- * 1.2meter offset antenna
- * Model PS120 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



Type	PS120-KU				
Reflector aperture	1.2 meters				
Reflector type	Single Offset				
Tx frequency	13.75 ~ 14.5 GHz				
Rx frequency	10.700 ~ 12.750 GHz				
Tx gain	43.4 dBi				
Rx gain	41.7dBi				
Polarization feature	Linear				
Cross polarization	≥35 dB (Axial)				
Rx/Tx isolation	Rx > 40dB Tx > 85 dB				
VSWR	1.3:1				
Sidelobe Performance	≤-14 dB (Frist side lobe)				
Weight	≤85Kg (BUC and packages have not included)				
Stowed size	1755mm×1250mm×420mm (L×W×H)				
Slewing area	Azimuth	± 200°	Rotate speed	Azimuth	0.1° ~ 6° /S
	Elevation	10°~90°		Elevation	0.1° ~ 6° /S
	Polarization	± 90°		Polarization	0.1° ~ 6°/S
Tracking Accuracy	0.3dB (R.M.S)				
Satellite Lock Time	≤3min				
Pointing mode	Beacon	Location mode		GPS/Compass	
Controller	19 inch 1U case, OLED screen and resolution 256x64				
Operational temperature	-40°C ~ +60 °C	Operational wind load		≤20m/s	
Storing temperature	-50°C ~ +70 °C	Survival wind load		≤25m/s	
Humidity	95% (20 °C)	Protection grade		IP65	
Power supply	100~240VAC, 50/60Hz	System consumption		≤ 350 W(BUC not include)	