



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



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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℃ ~ +60℃	Operational wind load		≤20m/s
Storing temperature		-50℃ ~ +70℃	Survival wind load		≤25m/s
Humidity		95% （20℃）	Protection grade		IP65
Power supply		100~240VAC, 50/60Hz	System consumption		≤ 350 W(BUC not include)