1.5M C&KU-BAND DRIVE AWAY ANTENNA DATASHEET

On vehicle

Key Features

* Offset feed antenna for C/Ku-band
* Special designed for mounting on SUV, Minivan or MPV
* Suit for broadband communication and various emergency situations.
* Meet needs of mainstream satellite operating company.
* Acquire any Ku and C band satellite within 2 minutes.
* Matches various types of BUC
* 4 tracking methods: Beacon, DVB carrier, reference star and modem signal
* Instant broadband data communications
* WIFI control method is optional.

Details

Model	P4000V15
Electrical Performance	
Frequency	Ku band
Tx	13.75~14.5GHz
Rx	10.70~12.75GHz
Polarization	Linear, Orthogonal
Feed Interface	WR75
3dB Beamwidth	TX: 1.0°@14.0GHz
	RX: 1.1°@12.0GHz
Gain	RX: 44.0dBi
	TX: 45.3dBi
Noise Temperature	20°EL=52K,
Sidelobe Envelope	1.5°<θ<20° 29-25logθ dBi
	20°<θ<26.3 ° -3.5dBi
	26.3°<θ<48 ° 32-25logθ dBi
	48°<θ<180 ° -10 dBi
Cross Polarization	35dB (On Axis)
	30dB (in 1dB Contour)
Isolation (Port to Port)	RX: >35dB
	TX: >80dB
VSWR	RX:1.5:1
	TX:1.3:1
Mechanical Performance	
Reflector	1.5m, Carbon fiber
Antenna Type	Prime focus, offset feed antenna
Positioning Sensor	BD&GPS
Azimuth Sensor	Compass ±2°
Tilt Sensor	Tilt meter ±2°
Azimuth Range	±240°
Elevation Range	0° ～95°
Polarization	±95°
Elevation Travel Rate	0.1° ～9° ／sec
Azimuth Travel Rate	0.1° ～9° ／sec
Polarization Travel Rate	0.1° ～12° ／sec
Physical Performance	
Stowed Dimension (mm)	2000L×1500W×410H
Weight	≤110kg
Antenna controller Unit	
Power	90-260VAC,40-60Hz
Signal Tracking	DVB S1/S2 and Beacon receiver
	(hot standby), Modem SNR
Operating Mode	Auto/Manual, key touch position
Dimension/Weight	1U, 2.5kg
Language	English
Setup Time	≤2min
Pointing Accuracy	0.1°
Power Consumption (w/o BUC)	≤300W
Remote Network Control	Support WiFi control
Environmental Performance	
Wind Loading	Operational: 72km/h
	Survival (Deploying): 110km/h
	Survival (Stowing): 220km/h

Temperature	Operating temperature: -40℃ ～ 55℃
	Storage temperature: -55℃ ～ 85℃
Protection Grade	IP65
Humidity	0～100%
Altitude	≤5000m
MTBF	≥2000hr
MTTR	≤1.5hr