

*1.2M 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



<b>Model</b>	<b>P4000V12</b>
<b>Electrical Performance</b>	
<b>Frequency</b>	Ku band
<b>Tx</b>	13.75~14.5GHz
<b>Rx</b>	10.70~12.75GHz
<b>Polarization</b>	Linear, Orthogonal
<b>Feed Interface</b>	WR75
<b>3dB Beamwidth</b>	TX: 1.2°@14.3GHz RX: 1.5°@12.0GHz
<b>Gain</b>	RX: 41.8dBi TX: 43.3dBi
<b>Noise Temperature</b>	10°EL=45K, 30°EL=24K
<b>Sidelobe Envelope</b>	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
<b>Cross Polarization</b>	35dB (On Axis) 30dB (in 1dB Contour)
<b>Isolation (Port to Port)</b>	RX: >40dB TX: >90dB
<b>VSWR</b>	RX:1.5:1 TX:1.3:1
<b>Mechanical Performance</b>	
<b>Reflector</b>	1.2m, SMC
<b>Antenna Type</b>	Prime focus, offset feed antenna
<b>Positioning Sensor</b>	BD&GPS
<b>Azimuth Sensor</b>	Compass ±2°
<b>Tilt Sensor</b>	Tilt meter ±0.2°
<b>Azimuth Range</b>	±240°
<b>Elevation Range</b>	0° ~95°
<b>Polarization</b>	±95°
<b>Elevation Travel Rate</b>	0.1° ~9° / sec
<b>Azimuth Travel Rate</b>	0.1° ~9° / sec
<b>Polarization Travel Rate</b>	0.1° ~12° / sec
<b>Physical Performance</b>	
<b>Stowed Dimension (mm)</b>	1750L×1240W×300H
<b>Weight</b>	≤60kg
<b>Antenna controller Unit</b>	
<b>Power</b>	90-260VAC,40-60Hz
<b>Signal Tracking</b>	DVB S1/S2 and Beacon receiver (hot standby), Modem SNR
<b>Operating Mode</b>	Auto/Manual, key touch position
<b>Dimension/Weight</b>	1U, 2.5kg
<b>Language</b>	English
<b>Setup Time</b>	≤2min
<b>Pointing Accuracy</b>	0.2°
<b>Power Consumption (w/o BUC)</b>	≤240W



<http://www.probecom.cn>

<b>Remote Network Control</b>	Support WiFi control
<b>Environmental Performance</b>	
<b>Wind Loading</b>	Operational: 72km/h
	Survival (Deploying): 110km/h
	Survival (Stowing): 220km/h
<b>Temperature</b>	Operating temperature: -40℃ ~ 55℃
	Storage temperature: -55℃ ~ 85℃
<b>Protection Grade</b>	IP65
<b>Humidity</b>	0~100%
<b>Altitude</b>	≤5000m
<b>MTBF</b>	≥2000hr
<b>MTTR</b>	≤1.5hr