

1.8M KU-BAND DRIVE AWAY ANTENNA DATASHEET



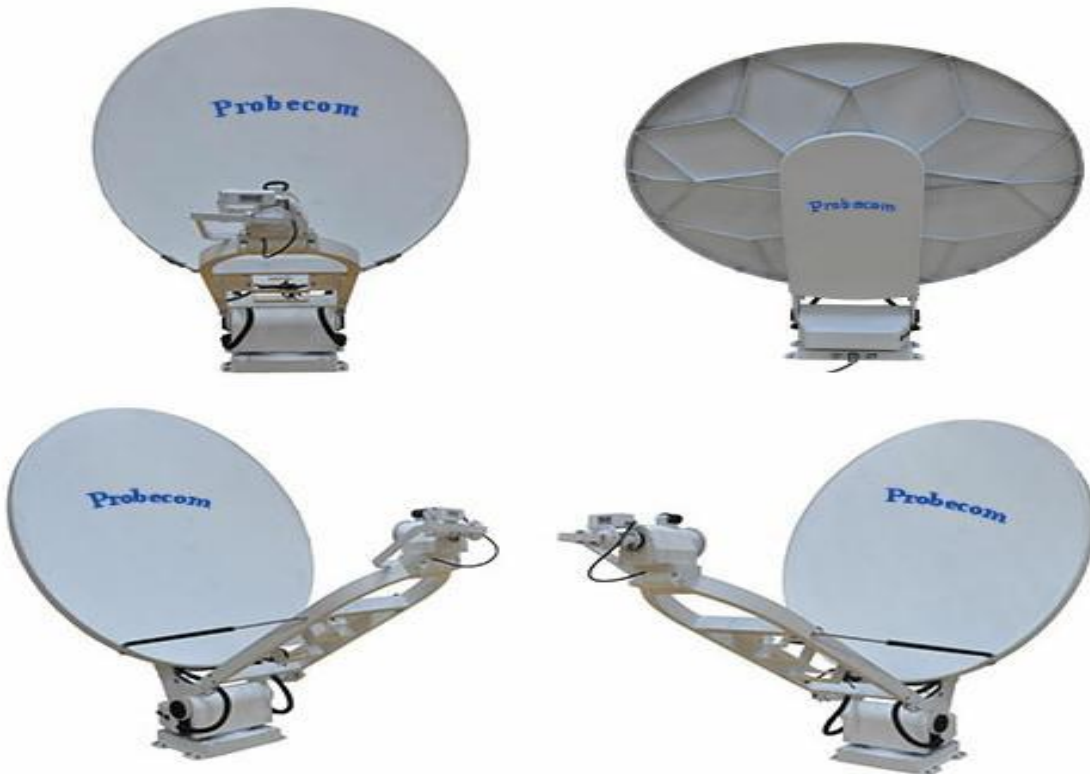
On vehicle



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	P4000V18
Electrical Performance	
Frequency	Ku band
Tx	13.75~14.5GHz
Rx	10.70~12.75GHz
Polarization	Linear, Orthogonal
Feed Interface	WR75
3dB Beamwidth	TX: 0.8°@14.0GHz RX: 1.0°@12.0GHz
Gain	RX: 45.3dBi TX: 46.8dBi
Noise Temperature	10°EL=43K, 20°EL=28K, 30°EL=23K,
Sideloobe 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	30dB (On Axis) 26dB (in 1dB Contour)
Isolation (Port to Port)	RX: >35dB TX: >80dB
VSWR	RX:1.5:1 TX:1.3:1
Mechanical Performance	
Reflector	1.8m, SMC
Antenna Type	Prime focus, offset feed antenna
Positioning Sensor	BD&GPS
Azimuth Sensor	Compass ±2°
Tilt Sensor	Tilt meter ±0.2°
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)	2600L×1880W×600H
Weight	≤160kg
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°C ~ 55°C Storage temperature: -55°C ~ 85°C
Protection Grade	IP65
Humidity	0~100%
Altitude	≤5000m
MTBF	≥2000hr
MTTR	≤1.5hr



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