

P4000V SNG Antenna

P4000V SNG antenna system is a compact, easy operation and automatic antenna system that suits for the most demanding applications. One button, auto-pointing smart control works with high performance electronic compass, inclinometer, GPS and other sensors, to ensure acquiring any Ku band satellite within 3 minutes with high positioning accuracy. Moreover, modular design makes all major parts of the antenna field configurable.

The P4000V is easily configured to allow fast access to satellite communications. It is for any application that requires a reliable connectivity in a rugged environment.

Key Features:

- Ultra-fast setup
- Compact and low stow height
- Rugged design & High dependability
- Eutelsat and Intelsat compliant





P4000V12 Technical specifications:

Reflector Performance		
Type	Dual offset	
Material	Carbon fiber	
Size	1.2m	
Electrical Performance		
Frequency	Rx(GHz)	10.7~12.75
	Tx(GHz)	13.75~14.5
Gain	Rx(dB)	42.1dBi@12.5GHz
	Tx(dB)	43.2dBi@14.25GHz
Beam width	Rx(3dB)	1.4°
	Tx(3dB)	1.2°
Noise Temperature	20°EL	≤50°K
Polarization	Linear, Tx/Rx	
Isolation	≥35dB (on-axis) ≥30dB (1dB beam width)	
Feed Interface	WR-75	
Tx/Rx Isolation	≥85dB (Tx to Rx)	
	≥35dB (Rx to Tx)	
Power Capacity	≤1000W	
Side lobes	29-25logθ dBi, 1.5°≤θ≤20°	

V.S.W.R.	Rx	1.3:1 (Max)
	Tx	1.3:1 (Max)
Mechanical Performance		
Dimension	1850×1350×400 (L×W×H) cm (with Dome)	
Weight	75Kg (with Dome) , 65kg (net)	
Azimuth Range	±200°	
Elevation Range	10°~95°	
Polarization Range	±95°	
Speed	EL: 2°~12°/s AZ: 2°~12°/s Polar: 3°/s	
Tracking Performance		
Method	Beacon; DVB S1/S2; Reference satellite, hot spare	
Positioning Time	≤3min;	
Satellite Switching Time	≤1.5min;	
Tracing Accuracy	≤1/10 Beamwidth	
Operation Mode	Key-Touch Positioning 、 Electric Searching、 Manual Searching	
M&C	RS-422 & 10/100BaseT Ethernet	
ACU	Standard 19 inches 1U, LED	
Environmental Performance		
Operating Temperature	Indoor Unit: -10°C ~ +50°C; Outdoor Unit: -30°C ~ +65°C	
Storage Temperature	-55~+80°C	
Humidity	100%, No condensing	
Protection Rate	IP65	
Vehicle Speed	≥120km/h, High way ≥60km/h, Regular road	
Vibration	5~200Hz; 1.5g	
Shock	10g	
Altitude	4000m	
Operating Wind	Continuous: ≤18m/s; Gust: ≤22m/s	
Non-broken Wind	Operating : ≤27m/s; Storage≤50m/s	
Rain	100mm/hour	
Power		
Voltage	90-264 VAC, 47-63 Hz	
Power Consumption	200W (without BUC)	
Dependability		
MTBF	≥1800hours	