

P6500 On the Move antenna



P6500 is a brand new product designed to meet this requirement, it adopts series of new technology, like: stable tracking system, conical scanning peak value tracking, narrow band satellite beacon identification technology, high performance antenna flat wave guide array type antenna reflector, high accurate GPS/INS integration attitude azimuth measurement technology, flexible antenna remote control technology, 100Hz attitude and navigation data real time output, high wave permeability antenna radome, rather low profile design, etc.

Technical specification:

Specification	Instruction
Stable type	biaxial balance stabilization
Antenna radome size	diameter: 125cm height: 30cm
weight	68Kgs
Operating frequency	Receive: 12.25-12.75GHz Transmit: 14.0-14.5GHz
Antenna type	Flat wave guide array type antenna
Antenna gain	Receive: 35.5dBi (12.5GHz) Transmit: 36.5dBi (14.25GHz)
XPD Isolation	>30dB
Sidelobe performance	No grating lobe Meets ITU standard
Signal Polarization	Linear
Angular velocity	Azimuth: 150°/s Elevation: 150°/s Polarization: 60°/s
Angular acceleration	Azimuth: 800°/s ² Elevation: 800°/s ² Polarization: 600°/s ²
Dynamic accuracy	≤1/8 half beam width(≤0.2°MSE)
Antenna Azimuth Travel range	360°(continuous)
Antenna Elevation Travel range	0°- 90°
Antenna polarization Travel range	360°(continuous)
Initial satellite searching time	Less 120s (static) less 80s (dynamic)
unlocked recapture time	Target losses in 30 sec, instant capture Target losses in 20 minutes, recapture time less than 5s.

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