

SANETEL-P120

Ku-band Parabolic
Fly-away VSAT Antenna



Ensure ever-lasting remarkable performance even on Everest

Excellent portability / Automatic Tracking operation
Great tolerance to extreme environments

SANETEL-P120 Ku-band Parabolic Fly-away VSAT Antenna, is designed for outdoor and wilderness satellite communication. The antenna reflector is made from carbon fiber dismountable in 6 pieces, which makes the system high-strength and light-weight. By only one button press, the antenna would automatically deploy, track the satellite, adjust and retract. SANETEL P120 can also be set up easily without any calibration. The compact and modular design makes it easy to adapt to specific packaging.



Application



Antenna type



Tracking



Protection



Service

SANETEL

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Specifications

Mechanical		Environmental	
Equivalent Dish Diameter	1200mm	Operating Temperature	-40 C ~+60 C
Antenna Type	Gregorian Offset double reflector antenna	Storage Temperature	-45 C ~+70 C
Reflector Block	6 pieces, 5 detachable	Ingress Protection Rating	IP65
Packaging Dimension(L×W×H)	700×465×440mm	Operating wind	Up to 72kph
Antenna Weight	30 kg		
Electrical		Tracking Performance	
Frequency Range	Rx: 10.95~12.75 GHz	Initialization Time	≤2 min
	Tx: 13.75~14.50 GHz	Azimuth Range	±90°
Gain	Rx: 41.5 dBi (12.50 GHz)	Elevation Look Angle Range	+10°~+90°
	Tx: 42.5 dBi (14.25 GHz)	Antenna Polarization Range	0°~+270°
Side-lobe	Compliant with ITU-R S.580-6, EESS 502, FCC§25.209	GPS/BDS/INS	Built-in
Cross-polarization isolation	≥30dB (within 1dB BW)		
G/T	20.4dB/K@30° elevation		
Signal Polarization	Linear Orthogonal		
Power Consumption	≤80W		

Advantages

Detachable and Portable

SANETEL P120 utilized detachable Gregorian Offset carbon fiber 6-pieces-reflector antenna systems, result in light weight and portability. Gyrocompass-Free Tracking Capability.

Multi-modes Operation

Automatic, semi-automatic and manual modes are available for system operation to keep antenna functional in case of power loss.

High Accuracy Control

Excellent harmonic gear controlling system with status indicator, fault detection, hard limit, soft limit and other protection to ensure the accuracy of antenna.

One-Button-Press Function

By only one button press, the antenna would automatically deploy, track the satellite, adjust and retract in spite of any initial posture.

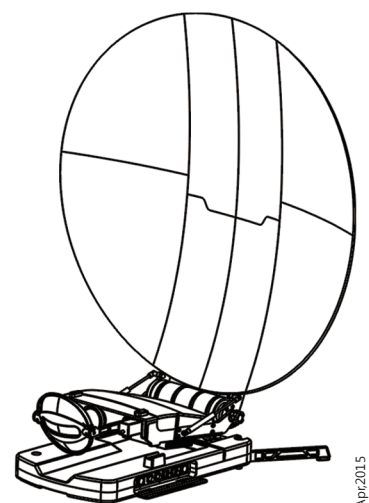
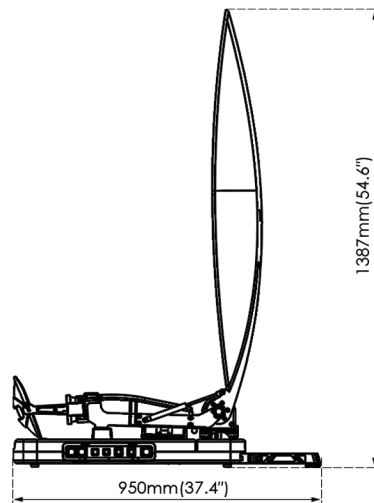
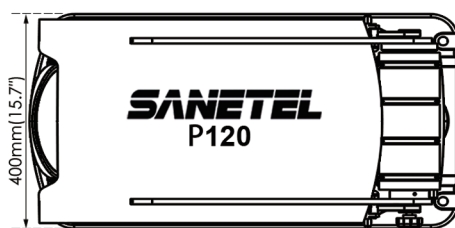
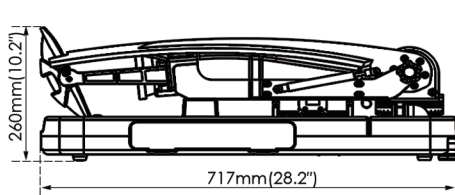
Excellent Compatibility and Expansibility

SANETEL P120 supports TDMA, SCPC or Spread Spectrum and is compatible with a wide range of commercially available modem systems. Wireless control and remote management function are optional.

SANETEL Service

After sales service is available 24x7x365 by hotline, E-mail and on-site engineers.

Antenna Dimension



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