

SANETEL-P100

Ku-band Parabolic Fly-away VSAT Antenna



Ever-lasting remarkable performance even on Everest

Excellent portability / Automatic Tracking operation / Great tolerance to extreme environments

SANETEL-P100 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 P100 can also be set up easily without any calibration. The compact and modular design makes it easy to adapt to specific packaging.

SANETEL
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Advantages

• Detachable and Portable

SANETEL P100 utilized detachable Gregorian Offset carbon fiber 6-pieces-reflector antenna systems, result in light weight and portability.

• Multi-modes Operation

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

• One-Man-Operation

Compact and modular design makes it possible for one person to assemble or disassemble in less than 5 minutes.

• 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.

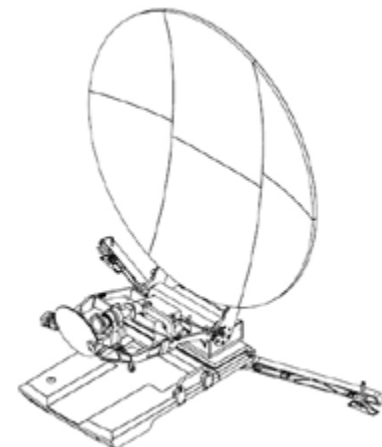
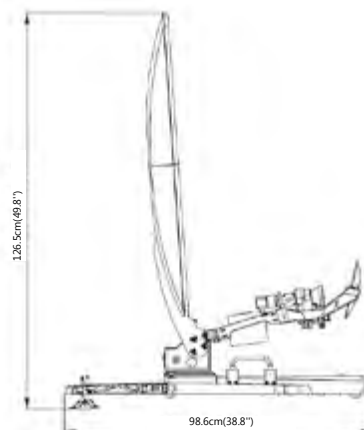
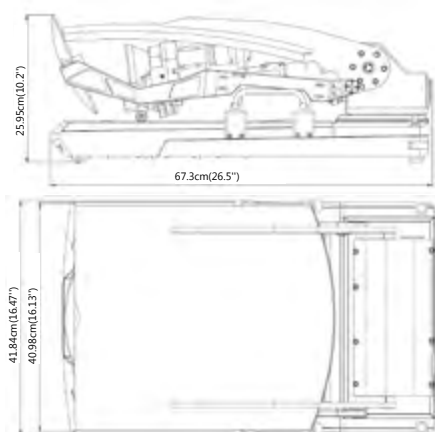
• Excellent Compatibility and Expansibility

SANETEL P100 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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Specifications

Mechanical

Equivalent Dish Diameter	100 cm
Antenna Type	Gregorian Offset double reflector antenna
Reflector Block	6 pieces, 5 detachable
Packaging Dimension(L×W×H)	700mm×465mm×440mm (Depends on Requirement)
Antenna Weight	28 kg

Electrical

Frequency Range	Rx: 10.95~12.75 GHz Tx: 13.75~14.50 GHz
Gain	Rx: 39.0 dBi (12.50 GHz) Tx: 40.0 dBi (14.25 GHz)
Side-lobe	Compliant with ITU-R S.580-6, EESS 502, FCC§25.209
Cross-polarization isolation	≥30 dB (within 1 dB BW)
G/T	17.5dB/K@30° elevation
Signal Polarization	Liner Orthogonal
Power Requirement	AC 220 V @ 50 Hz
Power Consumption	80W

Tracking Performance

Initialization Time	≤2 min
Azimuth Range	±90°
Elevation Look Angle Range	+10°~+90°
Antenna Polarization Range	0°~+270°
GPS/Beidou	Built-in

Environmental

Operating Temperature	-40°C~+60°C
Storage Temperature	-45°C~+70 °C
Ingress Protection Rating	IP65