

PORTABLE 36dB Ku BAND AUTO FLAT ANTENNA (CASE TYPE)

Portable 36dB Ku Band Flat Antenna Appearance



General Description:

China Starwin next generation portable Ku band antenna delivers exceptional high performance for transmitting/receiving application on HTS satellites.

This 36dB Auto Flat Array Antenna is integrated by a light and thin, high gain flat array antenna panel, servo subsystem and auto tracking control unit. This state of art satellite antenna is light-weight, small size, easy to carry and with high reliability.

It will lead satellite communication terminal in new form from traditional parabolic antenna. This product will diversify Ku band broadband access scenario, improve user experience and reduce the cost of portable satellite terminal.

Features:

- State of art and proven flat array technology
- High gain 36dB flat antenna
- Auto driving and tracking system
- 57x57cm flat array antenna
- BUC&LNB mounted on antenna panel back
- Light weight and carry along anywhere

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Technical Specification

Type of the antenna panel	Flat array antenna
Frequency Range	Tx 13.75~14.5GHz Rx 10.95~12.75GHz
Polarization	Linear polarization
VSWR	≤1.5:1
Receiving Gain	35.5 dBi
Transmitting Gain	36 dBi
First Sidelobe	≤-15dB
Cross polarization isolation	≥35dB
Tx/Rx polarization isolation	≥85dB
Satellite Searching Mode	Satellite parameter presetting, GPS/inclinometer guiding
Satellite Tracking Mode	DVB-S2/satellite signal tracking (Beacon tracking optional)
Tracking Time	<120 S
BUC mounted on panel	2\3\4\8\16\25W
Antenna Power Resistance	≥100W
Power Supply	AC 90-240V (DC optional)
Antenna Panel Size/Weight	570x570x34mm /5 Kg
Total Antenna Net Weight (Including antenna panel, servo system)	15Kg
Wind (Operational)	19m/s
Wind (Survival)	25m/s
Water Resistance	IP-65
Temperature	-40°C to +60°C