

China Starwin 0.76M KA BAND VSAT ANTENNA



General Description of 0.76m Ka VSAT antenna

China Starwin 0.76 m Ka band VSAT antenna is the robust, high performance and most cost-effective satellite antenna dish designed for Ka-band transmit and receive operation worldwide, for broadband service on High-Throughput Satellites (HTSs).

This new 0.76m Ka band dish antenna provides a fine reflector with a stretch formed steel panel and the high performance ka band feeder.

The special designed azimuth over elevation pedestal provides a cost-effective solution for ground or roof installation with high stiffness, stability and good wind resistance.

The electrical performance is compliant with FCC and ITU-RS-580 sidelobe specifications and Intelsat, Eutelsat, SES, AsiaSat, ChinaSat, etc requirement.

Features of 76cm Ka band VSAT antenna

- 76cm Ka band VSAT satellite dish antenna
- Commercial/ Military Ka-band frequency
- One-piece precision steel reflector
- High performance feeder
- Fine Az/EI adjustment and pedestal system
- Most cost-effective solution

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- Mass production
- Designed for most ka-band Transceivers

Technical Specification

Item No.	SWKA76-CP2 (Starwin 0.76m Ka band antenna)
Antenna Diameter	0.76m
Antenna Type	Offset
Antenna Material	High Quality Steel
Antenna Pedestal Type	Kingpost
Antenna Drive Mode	Manual
Frequency Range	Tx: 29 GHz~30 GHz Rx: 19.2 GHz~20.2 GHz
Antenna Gain(dBi)	Tx: $G \geq 44.0 + 20 \lg(f/29.75)$ Rx: $G \geq 40.0 + 20 \lg(f/19.75)$
VSWR	$\leq 1.25:1$
Polarization	Circular or Linear
First Sidelobe	≤ -14.5 dB
Cross Polarization Isolation	≥ 20 dB
Feed Interface	Rx port: WR42, Tx port: WR28
Driving range	Azimuth: $\pm 85^\circ$ under Elevation: $5^\circ \sim 85^\circ$
Operation Wind Speed	28 m/s
Working Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$ (outdoor)