

**China Starwin 1.2M KA BAND VSAT ANTENNA**



**1.2m Ka band antenna**



**1.2m Ka antenna feed & BUC support**

**General Description of 1.2m Ka band VSAT antenna**

China Starwin 1.2 m Ka band VSAT antenna is a high performance and high efficiency satellite broadband antenna designed for most demanding applications, from consumer to enterprise, government and mobility.

The reflector is stamping processed from steel material for strength and accuracy, the precision Az

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and EI mount is made of stainless steel for excellent corrosion resistance. This mount with fine tune features to point satellite accurately with low backlash and lockdown error.

And we provide the support and pedestal together with this VSAT antenna.

### **Features of 1.2m Ka band VSAT antenna**

- 120cm Ka band VSAT satellite dish antenna
- Commercial/ Military Ka-band frequency
- One-piece precision steel reflector
- Proven high efficiency Ka feeder
- Fine Azimuth and Elevation adjustment system
- Robust stand and pedestal
- Designed for universal ka-band Transceivers
- Transceiver or BUC support

### **Technical Specification 1 (Wider 2GHz Frequency Range )**

Item No.	SWKA120-CP2(W) (Starwin 1.2m Ka band antenna)
Antenna Diameter	1.2 m
Antenna Type	Offset
Antenna Material	High quality steel
Antenna Pedestal Type	Kingpost
Antenna Drive Mode	Manual
Frequency Range	Tx: 28 GHz~30GHz      Rx: 18.2 GHz~21.2 GHz
Antenna Gain (dBi)	Tx: $G \geq 49 + 20 \lg(f/29.5)$ Rx: $G \geq 45.5 + 20 \lg(f/19.95)$
VSWR	$\leq 1.25:1$
Polarization	Circular or Linear
First Sidelobe	$\leq -14.5$ 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)

### Technical Specification 2 (Narrower Ka frequency range )

Item No.	SWKA120-CP2(N) (Starwin 1.2m Ka band antenna)	
Antenna Diameter	1.2 m	
Antenna Type	offset	
Antenna Material	High quality steel	
Antenna Pedestal Type	Kingpost	
Antenna Drive Mode	Manual	
Frequency Range	Tx: 21.4GHz~21.7GHz	Rx: 18.1 GHz~18.4 GHz
Antenna Gain (dBi)	Tx: $G \geq 49.0 + 20 \lg(f/29.5)$	Rx: $G \geq 45.5 + 20 \lg(f/19.95)$
VSWR	$\leq 1.25:1$	
Polarization	Linear or Circular	
First Sidelobe	$\leq -14.5$ 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)	