



11.3m Receive Only Antenna

Antesky Science Technology Inc. is a professional supplier for all kinds of earth station Tx/Rx and Rx antennas. These antennas have the features of superior performance with the diameter range from 1.2m to 16m. The reflector panel is made of aluminum with high precision. We can also supply C&Ku dual bands above 7.3m Rx antenna. Antesky can also customize the big antenna based on the customer's specific requirements. Hope to serve for the users all over the world.

- **Features of 11.3m TVRO antenna**

Optional C-band, ku-band, C&KU dual bands, ka-band frequency;

C&Ku dual bands frequency available as option;

Linear or Circular Polarized feed system as option;

2 port or 4 port available as option;

Self-aligning, Stretch-formed aluminum reflector panel;

High reliable and anti-hash environment ability;

Assembled and tested feed system before leaving factory;

Hot-dip Galvanized structural steel;

Compact packaging design for ease and low-cost shipping..



Antesky Science Technology Inc.

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ELECTRICAL SPECIFICATION

Diameter	11.3M	
Operating Frequency, GHz	C-Band	Ku-Band
	Receive	Receive
	3.625~4.2	10.95~12.75
Gain, Mid-band, dBi	51.85	61.4
VSWR	1.25:1	1.3:1
Beam Width:-3dB	0.42	0.4
Polarization	Linear/ Circular	Linear
Axis Ratio for circular Pol.	0.5dB	
Noise Temperature (° K) 2 port feed		
10°EL	39	80
20°EL	30	72
40°EL	27	67
Feed Interface	CPR-229G	WR-75
Feed Insertion Loss(dB)	0.25	0.25
Port Isolation	Isolation between ports for Linear Pol. ≥ 30 dB Isolation between ports for circular Pol. ≥ 20 dB	
XPD (on Axis), dB for LP	35	35
XPD across 1dB Beam Width, dB for LP	33	33



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Radiation Pattern:First Sidelobe	CCIR.580-4
MECHANICAL SPECIFICATION	
Antenna Type	Ring Focus Antenna
Antenna Pedestal Type	Kingpost Pedestal
Finishes Reflector Surface Pedestal & Back Structure	Aluminum panels with high-diffusing white paint Hot dipped Galvanized
Surface Accuracy (RMS)	$\leq 0.35\text{mm}$
Azimuth	$\pm 85^\circ$
Elevation	$0^\circ \sim 90^\circ$
Antenna Drive	Motorized drive
ENVIRONMENTAL SPECIFICATION	
Operational Wind	45mi/h (72km/h) to 60mi/h (97Km/h)
Survival Wind	125mi/h (200Km/h)
Temperature	- 40°C ~ + 60°C
Relative Humidity	100%
Solar Radiation	1135Kcal/ h/ m ²
Seismic (Survival)	0.3g (H), 0.15g (V)
Snow	30mm
Ice	25mm