



2.4M TVRO Antenna

Antesky 2.4m SMC antenna reflector adopts compression molding with the characteristics of high precision, good consistency, and non-deformation. And it also has the features of low density and it is hyperbaric, which is stronger than steel and lighter than aluminum. And its compressive capability is 12 times higher than aluminum. Reflector with more pieces combination has the features of good exchanging capacity, anti-corrosion resistance, anti aging and long lifetime up to 15 to 20 years. Specially designed feed is matched perfectly with reflector, which makes transmit-receive reach maximum efficiency. Motorized polar tracking structure can satisfy full orbit satellite cover. And the assembly and adjustment is simple and practicable. The reflector adopts orange peel design which can have the function of waterproof and reduce damage to high-frequency tuner.



**ELECTRICAL SPECIFICATION**

Diameter	2.4M	
Operating Frequency, GHz	C-Band	Ku-Band
	Receive	Receive
	3.7~4.2	10.95~12.75
Gain, Mid-band, dBi	37.9	47.2
VSWR	1.3:1	1.3:1
-3dB Beamwidth	2.1	0.75
Polarization	Linear	Linear
XPD (on Axis), dB for LP	30	30
Antenna Noise Temperature, 2-port feed 30° Elevation	31°K	28°K
Feed Interface	CPR-229	WR-75
Sidelobe	First Sidelobe ≤ -20 dB	
	CCIR.580-4	

MECHANICAL SPECIFICATION

Antenna Type	Feed-front prime focus antenna
Antenna Pedestal Type	Elevation over Azimuth
Reflector material	3 pieces of glass fiber enhanced unsaturated polyester sheet molding com-pounds (SMC)
Feed installation type	Single arm supporting/three pole supporting
Azimuth	0°-360° continuous adjustment
Elevation	0°-90° continuous fine adjustment
Transportation specification	83kg
Antenna Drive	Manual

ENVIRONMENTAL SPECIFICATION

Wind load	Normal operation	22mps
	Maintenance	45mps
Survival Wind	200km/h	
Temperature	- 40°C ~ + 60°C	
Atmospheric conditions	100%	