



Antesky Science Technology Inc.

Add: Zhongtian International Mansion, No.269 Taibai South Road Xi'an China

2.4M RECEIVE ONLY ANTENNA



SPECIFICATIONS

2.4M Receive Only Antenna System

ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.625-4.2GHz	10.95-12.75GHz
Midband Gain	37.4dB	47.3dB
VSWR	≤ 1.35	≤ 1.25
-3dB Beamwidth	2.1°	0.7°
Noise Temperature	47°K@20° EI	45°K@20° EI
Polarization	Linear (circular as option)	Linear (circular as option)
Cross-pol. Discrimination	> 23dB on axis (Linear)	> 30dB on axis (Linear)
Feed Interface	CPR229	WR75
Sidelobe	First Sidelobe	$\leq 14\text{dB}$
	Envelop $P_{90\%} \leq 52$	$10\lg\theta(D/\Delta) 25\lg\theta$

MECHANICAL SPECIFICATION

Diameter	2.4m
Reflector material	Aluminum
Antenna Optics	Cassegrain prime focus antenna
Mount Type	Elevation over Azimuth
Mount Type	Elevation over Azimuth
Elevation Adjustment	0°to 90° (continuous)
Azimuth Adjustment	360°
Surface Tolerance	0.4mm(r.m.s.)
Re-installation	0.5mm(r.m.s.)
Paint Color	White
Wind Loading	Operational: 80kmph
	Survival : 200kmph
Temperature	-45°C ~50°C
Relative Humidity	100%
Seismic(survival)	0.3G's horizontal 0.15 G's vertical

