

1.8 Meter Quick-Deploy Antenna System

X-Band,C,Ka-Band Option

Description

Type: 1.8 Meter QD Ku-band Antenna

1.8 Meter Quick-Deploy Antenna System incorporates precision assembled reflector panels with our rugged designed for the efficient organization of high-speed communication channels in any places. To ensure quality and performance, accuracy using the latest in laser measurement techniques reflector panels are inspected for R.M.S.

Key Features

- 6-Piece Carbon fiber folding Reflector.
- Pre-Assembled Tripod Base Mount w/Pull Pins.
- Ku and Ka Band Feed Systems Available.
- Sturdy Boom Accommodates Outdoor Units.
- Adjustable Feet for Uneven Surfaces.
- Optional Lightweight Cases for Easy Transportation.



RF & Antenna Specifications		
Ku-band Linear	Receive	Transmit
Frequency, GHz	10.95-12.75	13.75-14.5
Mid-Band Gain, dBi	45.3	46.6
VSWR	1.3:1	1.3:1
3dB Beam Width, deg	0.97	0.83
Noise Temperature		
10 Deg Elevation, K	55	
20 Deg Elevation, K	50	
Typical G/T @ 10 Deg, dB/K	24.4	
Tx Power Capability, W		500
Port to Port Isolation		
Tx > Rx Rejection, dB		85
Cross-pol on Axis, dB	35	35
Insertion Loss, dB	0.35	0.3
Radiation Pattern Compliance	FCC 25.209, ITU-RS.580-6,	
First sidelobe, dB	≤ -14	
Sidelobe Envelope	29 - 25 log (1° ≤ θ < 20°)	
Feed Interface	WR-75 CPR	

Mechanical Specifications	
Antenna Optics	Single Offset
Reflector Aperture	1.8 Meters (5Feet)
Reflector Material	Carbon Fiber Reinforced Polymer
Reflector Panels	1-piece&5-piecesegmented Precision,
Surface Accuracy (RMS)	0.35 mm
Elevation Travel	0 to 90 ° Continuous, (Coarse & Fine adjustment)
Azimuth Travel	45° Fine, 360° Continuous, (Coarse & Fine adjustment)
Pol. Travel	± 95° Continuous, Self Locking,
Shipping Case	2Case, airline checkable (IATA-compliant)
Case Size	Case Panels: 1360*720*810mm Case Support pedestal: 1660*700*550mm
Total Weight	73Kg (without BUC)
Environmental Performance	
Operational Wind	47km/h (29mph) with ballast
Temperature	-40° C to +50° C
Tightness class	IP67(Dust and Water Resistant)
Humidity	0-98%