

2.4 Meter Vehicle-Mount / Drive Away SNG Antenna System

L, C, X(Military/WGS), Ka-Band Option

Description

Type: DH 2.4 Meter VM Ku-band Antenna

2.4 Meter Vehicle-Mount / Drive Away SNG Antenna System is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and Controller to ensure excellent pointing accuracy.

Key Features

- 1-Piece 2.4m carbon fiber folding reflector.
- Carbon fiber reflector with light weight and strength
- Build-in DVB-S, DVB-S2, and CW beacon module.
- High accuracy GPS and strong anti-interference of electronic compass.
- Protection functions as automatic warning, mechanical and software limit.
- Sturdy boom accommodates outdoor units.
- L, C, X, Low Ku and Ka Band feed systems available.



RF & Antenna Specifications

Ku-band Linear	Receive	Transmit
Frequency, GHz	10.7-12.75	13.75-14.5
Mid-Band Gain, dBi	47.72	48.81
VSWR	1.3:1	1.3:1
3dBBeam Width, deg	0.87	0.67
Noise Temperature		
20 Deg Elevation, K	61	
30 Deg Elevation, K	47	
Typical G/T @ 10 Deg, dB/K	26.5	
Tx Power Capability, W		400
Port to Port Isolation		
Tx> Rx Rejection, dB		85
Cross-pol on Axis, dB	35	35
Insertion Loss, dB	0.25	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	

Option Frequency Range:

L-Band	1.4-1.7GHz
C-Band	3.4-4.2/5.85-6.725GHz
X-Band	7.25-7.75/7.9-8.4GHz
Low Ku-Band	10.75-11.45/12.75-13.25GHz
Ka-Band	19.6-21.2/29.4-31.0GHz

Mechanical Specifications

Antenna Optics	Gregory Dual Offset
Reflector Aperture	2.4 Meters (7.8Feet)
Reflector Material	Carbon Fiber
Surface Accuracy (RMS)	0.35 mm
Elevation Travel	5° to 90° Continuous,
Azimuth Travel	±170° Continuous,
Pol. Travel	±95°Continuous, Self Locking,
AZ/EL/POLAxes Velocities	0.1°/S-5°/S
Power Supply	AC110~230V 50/60Hz
Controller Parameter	2U standard cabinet
Power Consumption	≤2KW

Tracking Accuracy	Superior than 1/5 half beam-width
Shipping Case	1 Case, Seaworthy packing ISPM
Case Size	3620*2720*800mm
Total Weight	380Kg (without BUC)

Environmental Performance

Operational Wind	47km/h (29mph)
Survival Wind Speed	198km/h((123mph) in stow
Temperature	-40° C to +55° C
Tightness class	IP65(Dust and Water Resistant)
Humidity	0-98%

Packing List

2.4m Carbon Fiber Antenna	1 pcs
Connecting Cable 8 meter - Power supply, Control, BUC supply, RF Cable	1 set
Antenna Controller	1 pcs
Manual Handle	1 pcs
Power Supply and Monitor Interface Cable	1 set

Case Pictrue



