

## 1.8 Meter Vehicle-Mount / Drive Away SNG Antenna System

### C-Band Option

#### Description

Type: DH 1.8 Meter VM Ku-band Antenna

1.8 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 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	45.1	46.5
VSWR	1.3:1	1.3:1
3dB Beam Width, deg	1.18	0.98
Noise Temperature		
20 Deg Elevation, K	28	
30 Deg Elevation, K	23	
Typical G/T @ 10 Deg, dB/K	20.2	
Tx Power Capability, W		500
Port to Port Isolation		
Tx > Rx Rejection, dB		85
Cross-pol on Axis, dB	35	35
Insertion Loss, dB	0.4	0.5
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 (5.9Feet)
Reflector Material		Carbon Fiber Reinforced Polymer
Reflector Panels		1-piece
Surface Accuracy (RMS)		0.35 mm
Elevation Travel		0 to 90 ° Continuous,
Azimuth Travel		Fine tuning ±220° Continuous,
Pol. Travel		± 95° Continuous, Self Locking,
Axes Veloci ties	Elevation	0.01°/S-3°/S
	Azimuth	0.01°/S-3°/S
	Pol.	1° /S
Power Supply		AC110 ~ 230V 50/60Hz
Auto-acquisition mode		Beacon pointing/DVB
Tracking Accuracy		0.045°
Shipping Case		1 Case, airline checkable (IATA-compliant)
Case Size		2400*1800*450mm
Total Weight		140Kg (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%