

1.2m Motorized Vehicle-Mount Antenna System



1.2m Motorized Vehicle-Mount Antenna System



Your Trusted Source for Satellite Equipment

- **High Performance VSAT Configuration**
- **Integrated Auto Locate Controller with Manual Override**
- **DVB Receiver or Modem Interface for Positive Satellite ID**
- **1.2 M Composite Reflector**
- **Handcranks Included**
- **14 1/2" Stow Height and Space-Optimizing Stowed Configuration**
- **Designed for Boom Mounted Single Thread Integration Packages up to 25 lbs**
- **Affordable SNG Applications**
- **Intelsat / FCC / Eutelsat Compliance Options**

Electrical Specifications	Feed 2 Port Cross Pol Ku Band		2 Port Cross Pol Ku Band		2 Port Cross Pol Ku Band	
	Linear / VSAT Feed		Linear / SNG Feed		Mode Matched Linear / SNG Feed	
	Rx	Tx	Rx	Tx	Rx	Tx
Frequency (GHz)	10.70 - 12.75	13.75 - 14.50	10.70 - 12.75	13.75 - 14.50	10.95 - 12.75	13.75 - 14.50
Gain (Midband, dBi)	41.7	43.2	41.7	43.3	41.6	43.2
Noise Temperature (°K) 10 deg El 20 deg El	45 31		43 31		45 34	
Axial Ratio						
Cross Pol (On Axis) in 1 dB contour	-30.0 dB -27.0 dB	-30.0 dB -27.0 dB	-35.0 dB -30.0 dB	-35.0 dB -30.0 dB	-35.0 dB -25.0 dB	-35.0 dB -35.0 dB
Sidelobe Compliances		Meets ITU 580 / FCC / Intelsat		Meets ITU 580 / FCC / Intelsat		Meets ITU 580 / Intelsat / Eutelsat
VSWR	1.50:1	1.30:1	1.30:1	1.25:1	1.45:1	1.30:1

Mechanical / Environmental Specifications	
Reflector	1.2 meters (50.0 in) Carbon Fiber Reinforced Polymer
Reflector Configuration	Parabolic Single Offset, 0.8 F/D
Antenna Travel	
Azimuth	± 200° continuous
Elevation	0 - 90° of reflector bore sight
Polarization	± 90°
Antenna Drive Rate	
Azimuth	4.0°/sec
Elevation	3.0°/sec
Polarization	3.0°/sec
Temperature	
Operational	-17 to 50°C (0 - 122°F)
Survival	-30 to 70°C (-22 to 158°F) 850-0027-A
Winds	
Operational	40 mph (64 kph)
Survival	65 mph (104 kph) deployed any position

MVSAT_VS-120MVSAT_VSAT-SNG_MOT_REV002
Specifications are subject to change without notice

sales@vikingsatcom.com • www.vikingsatcom.com

T: 517.629.3000 • F: 517.629.2379 • 704 North Clark Street • Albion, MI