

VM-120

1.2m Ku or Ka Band Vehicle Mount Terminal

VSAT Antenna



The VM-120 is a high performance VSAT antenna from Holkirk designed to excel in today's demanding data environment.

With a well proven track record the VM series of antennas will provide many years of service in the harshest applications.

1.2m SMC reflector

Up to 100w Integrated Tx power

Exceptional value

Low stow height

BUC mounting on boom

Manual over rides on all 3 axis

Single button deploy

A powerful, accurate and smooth positioning system accurately points the antenna at the touch of a button and stows it after use into the compact but aerodynamic cowl which also houses the BUC/HPA making the system a robust stand alone sub-assembly ready to install onto almost any vehicle.

The antenna controller uses high accuracy feedback and a sophisticated pattern recognition algorithm to confirm and refine its heading information using visible satellites.

The system is very simple to install, set-up and use with a fast acquisition time of typically less than 3 minutes from stowed.

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SPECIFICATION

Mechanical Data

Overall Width	-	123 cm
Overall Length	-	172 cm
Stow Height	-	45 cm
Weight	-	75 Kg
Wind Speed		
Operational	-	40 mph (65 kph)
Stowed	-	100 mph (160 kph)
Operating Temp.	-	-20°C ~ +50°C
Azimuth Range	-	± 220°
Elevation Range	-	5 - 90°
Polarisation	-	± 95°

Electrical Data

Ku Band

Gain Tx	-	43.0 dBi
Gain Rx	-	41.8 dBi
VSWR	-	1.3 : 1 max
G/T (30° Elevation)	-	21 dBK
Isolation Tx / Rx	-	105 dB with filter
Polarisation Tx	-	Linear
Polarisation Rx	-	Orthogonal

Ka Band

Gain Tx	-	49.5 dBi
Gain Rx	-	46.3 dBi
VSWR	-	1.25 max
G/T (40° Elevation)	-	89 K
Isolation On Axis	-	17.7 dB
Polarisation	-	Circular



Accessories

Manual jog, auto-acquire or inclined orbit tracking controller | RF mounting options | High & Low stability LNB | De-ice Kit