

## VM120 Vsat Antenna in Ku-band

- **1.2M reflector options**
- **Dual optic SMC antenna**
- **Exceptional value**
- **Compact auto-acquire satellite**



### Compact

The VM antenna is a high quality roof mount system which encompasses the drive control, positioning hardware and amplifier into the antenna enclosure, making the system a robust standalone sub-assembly ready to install onto almost any vehicle.

### Auto-acquire

The satellite acquisition controller uses industry standard position transponder and a sophisticated pattern recognition algorithm to confirm and refine its heading information using visible satellites. The controller is mounted on the antenna structure with a separate power supply and control panel in a rack mount unit for mounting within the equipment area.

### Ease of use

The system is simple to install, set up and use. Following relocation of the antenna, the system will reliably and accurately locate and lock onto the designated traffic satellite within minutes.



### Options:

- Vehicle mounting brackets
- De-ice kit
- 3 Axis jog controller
- Inclined orbit tracking controller

## Specification

## VM120

### Mechanical Data

Antenna width:	123 cm
Antenna height:	127 cm
Geometry:	Offset, dual optic
Reflector material:	SMC
Weight:	85kg
Feed interface:	WR 75
Azimuth range:	+/- 185°
Elevation range:	10~90°
Polarisation range:	+/- 95°
Operating temperature:	-30°C~+60°C

### Electrical Data

#### Receive

Polarisation:	Linear
Frequency band:	10.7 ~12.75 GHz
Gain @ 12.5 GHz:	41.8 dBi
G/T (30° élévation) @ 12.5 GHz:	21 dBK

#### Transmit

Polarisation:	linear orthogonal
Frequency band:	13.75 ~14,5 GHz
Gain @ 14.25 GHz:	43 dBi

VSWR: 1.3 : 1 max

Isolation Rx / Tx (13,75~14,5 GHz): 40 dB min

Isolation Tx / Rx (10,75~12,75GHz): 75 dB min