

# 1156 KA

## 1.0 Meter Motorized Vehicle-Mount Antenna



- **Certified for use with Viasat EXEDE® Service**
- **Includes Sat-Lite Cirrus ACU for Efficient Auto Acquisition**
- **High Performance Composite Reflector**
- **Handcrank for Azimuth and Elevation Axes Included**
- **15 1/4" Stow Height and Space-Optimizing Stowed Configuration**

The Sat-Lite Technologies Model 1156 Ka vehicle-mount antenna is a high performance 1 Meter antenna designed for Ka Band broadband operation that includes the Viasat EXEDE® Service. Key features include a low stow height configuration and compact pedestal minimizing vehicle constraints. Also included is an integrated auto-locate controller with manual override and front panel display with keypad. The integrated control system easily connects to the modem and is pre-calibrated at the factory prior to shipping. An optional mount frame is also available.

Mechanical / Environmental Specifications	
Antenna Travel	
Azimuth	± 200° continuous
Elevation	0 - 90° of reflector bore sight
Antenna Drive Rate	
Azimuth	4.0°/sec
Elevation	3.0°/sec
Polarization	3.0°/sec
Temperature	
Operational	-30 to 60°C (-22 - 140°F)
Survival	-40 to 70°C (-40 - 158°F)
Winds <sup>1</sup>	
Operational	30 mph (48 kph) Gusting to 45 mph (72 kph)
Survival	70 mph (112 kph) deployed any position
Antenna Stow Height	15 1/4 in (387 mm)
(With Optional Mount Frame)	17 9/16 in (446 mm)
Weight (with Mount Frame)	128 lb (58 kg) - with Viasat Tria

Electrical Specifications		
2 Port Ka	Rx	Tx
Frequency (GHz)	17.7 - 21.2	27.5 - 31.0
Gain (Midband, dBi)	44.6	47.7
Axial Ratio		
Cross Pol		
On Axis	-21.3 dB	-24.8 dB
in 1 dB contour	-21.3 dB	-24.8 dB
Sidelobe Compliances	FCC 25.138	FCC 25.138



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