

# SMV 125DA

## 1.25 m Driveaway Antenna



Satmission model SMV 125DA Streamline is a Driveaway Ka-band antenna system capable of transmitting IP, SD, HD and 3DTV.

Its mechanical design comes from the broadcast industry which guarantees high reliability and no lost transmissions.

The antenna will work down to extreme -40°C with the heating option.

With its minimal weight of 69 kg and low structural profile, it is easy to install onto any type of vehicle, from a small car up to a large truck.

Rugged, all outdoor equipment securely protected.



type approved  
for Broadband Services

- Eutelsat Approved Ka-band 1.25m
- Low weight
- Rapid deployment, typical less than 1 minutes
- Composite performance dish 1.25m
- Auto locate with GPS and Compass
- Eutelsat 4W BUC and modem included
- Electrical and mechanical backup drive
- High Reliability and low Maintenance

# Technical Specifications

Electrical Specifications						2 Port Cross-Pol Ku Band					
						Rx			Tx		
Frequency (GHz)						18.30 - 20.20			28.10 - 30.0		
Gain (midband, dBi)						45.9,dBi			48,8dBi		
Noise Temperature °K											
20 deg El							106K				
Typical G/T											
70 deg LNA						22.0 db/°K					
EIRP											
Cross Pol											
On Axis											
Axial Ratio											
Sidelobe Compliances											
VSWR						Meets FCC ITU 25.209			Eutelsat ITU-580		
Isolation						1.35:1			1.30:1		
Tx/Rx						-85 dB			0 dBm input		
Rx/Tx						0 dBm input			-30 dB		

<b>Mechanical/Environmental Specifications</b>		
Reflector	1.25m single offset Composite reflector	
Reflector Offset Angle (deg)	21.8	
Antenna Travel		
Azimuth	± 186° continuous	
Elevation	5 - 75° of reflector boresight	
Antenna Drive Rate		
Azimuth	4°/sec	
Elevation	4°/sec	
Temperature		
Operational	-30 to +50°C (down to -40°C with optional de-icing kit)	
Survival	-40 to +70°C	
Pointing Loss (operational )	2dB peak (Ku-band Rx)	
Winds		
Operational	72 kph	
Survival	110 kph any position	
	220 kph stowed	
Antenna Stowed Dimensions	Length: 197 cm Width: 127 cm Height: 39.5 cm	
Weight	69 kg	
Integration		
Feedboom Mounted	4W BUC on Ka	
Rain		
Operational	10 cm/h	
Survival	15 cm/h	
Relative Humidity	0 - 100%	
Solar Radiation	1000 Kcal/h/m²	
Radial Ice (survival)	25 mm	
Corrosive Atmosphere	As encountered in coastal and/or industrial areas	

Note: Specifications subject to change without further notice

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