



SMV 125DA

Dual Feed Driveway Antenna

Satmission SMV 125DA IP-SNG is a Ku/Ka-band antenna system, used by major operators on satellite networks like Eutelsat's Ka-Sat and SES Astra's OU Flex multi-service platform.

In field exchangeable feeds, no tools required.

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 low weight and small 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.

SMV 125DA

KEY FEATURES

- Eutelsat and SES Astra Approved
- One button operation
- Rapid deployment
- Low weight
- Composite performance dish 1.25m
- Auto pointing with GPS and compass
- Ka-band 4W BUC and Modem included
- Ku-band 16W BUC and Modem included
- Electrical and mechanical backup drive
- High reliability and low maintenance

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Satmission by Kebni, Bultenvägen 5, S-95261 Kalix, Sweden

Electrical specifications	2 Port Cross-Pol Ku Band		Circular-Pol Ka Band	
	Rx	Tx	Rx	Tx
Frequency (GHz)	10.95 - 12.75	13.75 - 14.50	18.30 - 20.20	28.10 - 30.0
Gain (midband, dBi)	41.3,bBi	42.6,dBi	45.9,dBi	48,9dBi
Noise Temperature 20 deg El	°K		106K	
Typical G/T	20.7 dB/°K @ 11.7 GHz		22.3 dB/°K @ 19.7 GHz	
EIRP	43.6 dBW/40kHz		31.9 dBW/40kHz	
Cross Pol On Axis	≥ 25 dB within 1 dB contour		≥ 21 dB within 1 dB contour	
Axial Ratio				
Sidelobe Compliances			Meets FCC ITU 25.209	Eutelsat ITU-580
VSWR			1.35:1	1.30:1
Isolation				
Tx/Rx			-85 dB	0 dBm input
Rx/Tx			0 dBm input	-30 dB

Mechanical/Environmental Specifications

Reflector	1.25 m (49.2") 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 Error	≤ 0.3°
Winds	
Operational	72 kp
Survival	110 kph any position 220 kph stowed
Antenna Stowed Dimensions	Length: 197 cm (77.6") Width: 127 cm (50") Height: 39.5 cm (15.5")
Weight	Ka version incl. BUC 68 kg (150 lbs). Ku version incl. BUC 71 kg (156.5 lbs).
Integration	
Feedboom Mounted	4W BUC on Ka, 16W BUC on Ku
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

Scan for more information:



Note: Specifications subject to change without further notice