



## SMP 125DA 1.2 m Driveaway Antenna

Satmission model SMP 125DA Streamline is a high performance professional Gregorian dual offset Driveaway Broadcast antenna system capable of transmitting IP, SD, HD and 3DTV.

Its breath-taking aerodynamic design is optimised to meet stringent weight budgets, while still having space within the protective weatherproof Antenna box to securely house up to 2 redundant/phase-combined 400W amplifiers resulting in EIRP 70dBW.

With its minimal weight 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.

The ultra low profile (39cm) and weight enables travelling speed up to extreme 220km/h. The stunning design also makes Satmission Streamline DSNG Antenna family to one of the most environmental friendly in the industry. Rugged, all outdoor equipment securely protected inside the casing.

### SMP 125DA KEY FEATURES

- Eutelsat, SES, Intelsat and FCC Compliant
- Carbon fibre high performance Gregorian dual-offset Dish 1.25 m
- Ultra low weight and aerodynamic profile
- Rapid deployment
- Auto pointing with GPS and compass
- Electrical and manual backup drive
- Custom configurable
- High reliability and low maintenance
- Travelling speed up to 220 km/h

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Electrical specifications		2 Port Cross-Pol Ku Band Std Feed	
		Rx	Tx
Frequency (GHz)		10.70 - 12.75	13.75 - 14.5
Gain (midband, dBi)		41,1 @11.2GHz	45.3@14.25GHz
Noise Temperature	°K		
20 deg EI		95K	
Typical G/T			
70 deg LNA		22.3 db/°K	
EIRP		Up to 70 dBW	
Cross Pol			
On Axis		-35 dB	- 35 dB
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 meters (49.2") Gregorian dual-offset carbon fiber dish
Reflector Offset Angle (deg)	21.8
Antenna Travel	
Azimuth	± 186° continuous
Elevation	5 - 75° of reflector boresight, 5 - 85° with modified antenna cover*
Polarisation	± 110°
Antenna Drive Rate	
Azimuth	4°/sec
Elevation	4°/sec
Polarisation	10°/sec
Temperature	
Operational	-27 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 Gusting to 90 kph
Survival	110 kph any position 220 kph stowed
Antenna Stowed Dimensions	Length: 197 cm (77.6") Width: 125 cm (49.2") Height: 39.5 cm (15.5")
Weight	69 kg (152 lbs)
Integration	
Feedboom Mounted	1 pc 100w BUC
Pod Mounted	Up to 2 pcs redundant / phase-combined 400W amplifiers.
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

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