

Kebni Satmission | 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

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/m ²
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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