

# SMP 155DA

## 1.5 m Driveaway Antenna



The Satmission Streamline SMP 155DA is a high performance and high gain professional Driveaway Broadcast satellite antenna system which is capable of transmitting IP, SD, HD and 3DTV signals.

Its breath-taking aerodynamic design is optimised to meet stringent weight budgets, while still having space within the Antenna box to securely house up to 2 redundant/phase-combined 750W amplifiers resulting in EIRP 75dBW.

With its minimal weight of 79 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 and weight enables travelling speed up to extreme 220km/h.

The Streamline spoiler form of the stowed DSNG Antenna allows it to be driven comfortably at high speeds with impressive industry leading eco-driving and environmental friendly qualities.

Rugged, all outdoor equipment securely protected inside the casing.



- Eutelsat, Intelsat and FCC Compliant
- Gregorian dual-offset Carbon Fibre reflectors
- Ultra low weight and aerodynamic profile
- Rapid deployment, typical less than 1 minute
- Travelling speed up to 220 km/h
- Auto locate with GPS and Fluxgate Compass
- Electrical and manual backup drive
- Custom configurable
- High Reliability and low Maintenance

# Technical Specifications

<b>Electrical Specifications</b>	<b>2 Port Cross-Pol Ku Band Std Feed</b>	
	<b>Rx</b>	<b>Tx</b>
Frequency (GHz)	10.70 - 12.75	13.75 - 14.5
Gain (midband, dBi)	43.3 @11.2GHz	45.3@14.25GHz
Noise Temperature °K 20 deg El	107K	
Typical G/T 70 deg LNA	23.0 db/°K	
EIRP	Up to 75 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

<b>Mechanical/Environmental Specifications</b>	
Reflector	1.55 meters Gregorian dual-offset carbon Fiber dish
Reflector Offset Angle (deg)	27.6
Antenna Travel	
Azimuth	± 186° continuous
Elevation	5 - 75° of reflector boresight, 5 - 82° with modified antenna cover*
Polarisation	± 110°
Antenna Drive Rate	
Azimuth	4°/sec
Elevation	4°/sec
Polarisation	10°/sec
Temperature	
Operational	-27 to +50°C
Survival	-40 to +70°C
Pointing Loss (operational )	0,2dB peak (Ku-band Rx)
Winds	
Operational	72 kph Gusting to 90 kph
Survival	110 kph any position 220 kph stowed
Antenna Stowed Dimensions	Length: 208 cm Width: 158 cm Height: 49 cm
Weight	79 kg
Integration	
Feedboom Mounted	1 pc 100w BUC
Pod Mounted	Up to 2 pcs redundant / phase-combined 750W amplifiers.
Rain	
Operational	10 cm/h
Survival	15 cm/h
Relative Humidity	0 - 100%
Solar Radiation	1000 Kcal/h/m <sup>2</sup>
Radial Ice (survival)	25 mm
Corrosive Atmosphere	As encountered in coastal and/or industrial areas

Note: Specifications subject to change without notice

\* Consult Engineering for details

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