

Kebni develops, manufactures and supplies high performance SATCOM antennas for land and maritime users.



Kebni 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.



KEY FEATURES

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

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	43,3 @11.2 GHz	45,3 @14.25 GHz
Noise Temperature °K		
20 deg El	107 K	
Typical G/T		
70 deg LNA	21,6 db/°K	
EIRP	Up to 70 dBW	
Cross Pol		
On Axis	≥30 dB	≥30 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	1.55 meters Gregorian dual offset carbon fiber dish
Reflector Offset Angle (deg)	27.6
Antenna Travel	
Azimuth	±186° continuous
Elevation	5-75° of reflector boresight, 5-85° with modified antenna cover*
Polarisation	±110°
Antenna Drive Rate	
Azimuth	4°/sec
Elevation	4°/sec
Polarisation	10°/sec
Temperature	
Operational	-27 to + 50°C
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: 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 7500W 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

* Consult Engineering for details

Note: Specifications subject to change without notice