



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



Kebni SMP 155DA

1.8 m | Driveaway Antenna

The Satmission Streamline SMP 175DA is a high performance and high gain professional Driveaway Broadcast satellite antenna system. Its breath-taking aerodynamic design is optimized to meet stringent weight budgets, while still having space within the Antenna box to securely house up to 2 redundant/phase-combined amplifiers resulting in EIRP 77dBW.

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/POD.



KEY FEATURES

- VSAT or Broadcast Configuration
- Integrated Auto Locate Controller with Manual Override
- Auto Locate and Peak Features along with Handheld Control Unit.
- Precision Carbon Fiber Reflector
- Low Profile and Space-Optimizing Stowed Configuration
- Designed for Boom Mounted Single Thread Integration
- Eutelsat, Intelsat / ITU Compliant
- C and Ku Band Feeds

Electrical Specifications	2 Port Cross Pol C Band Linear Feed		2 Port Cross Pol C Band Circular Feed		2 Port X Band Circular		2 Port Cross Pol Ku Band Linear	
	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx
Frequency (GHz)	N/A		3.625-4.20	5.85-6.425	N/A		10.70-12.75	13.75-14.5
Gain midband, dBi	Upcoming option		35.4	39,5	Upcoming option		45.3	46.6
Noise Temperature °K								
20 deg EI			36				50	
G/T			41				23 dBk @ 11.2 GHz LNB 60dB NF 0.7 dB	
Axial Ratio			3.0 dB	2.3 dB				
Cross Pol								
On Axis			-15.3 dB	-17.5 dB			-30 dB	-30 dB
in 1 dB BW			-15.3 dB	-17.5 dB			-23 dB	-23 dB
Sidelobe Compliances			IESS 207					Meets ITU 580
VSWR			1.50:1	1.30:1			1.50:1	1.30:1
Isolation								
Tx/Rx			-60 dB	0 dBm input			-110 dB	0 dBm input
Rx/Tx			0 dBm input	-60 dB			0 dBm input	-35 dB

Mechanical Environmental Specifications	
Reflector	1.8 meters – carbon fiber
Reflector Offset Angle (deg)	22.6°
Antenna Travel	
Azimuth	±186°
Elevation	12 – 75°
Polarisation – KU	Linear feed ±112°
Antenna Drive Rate	
Azimuth	4°/sec
Elevation	2.5/sec
Polarisation	5°/sec
Temperature	
Operational	-27 to + 50°C available cold climate option
Survival	-40 to + 70°C
Pointing Loss (operational)*	2dB (Ku-band Rx)
Winds ¹	
Operational	55 kph Gusting to 80 kph
Survival	110 kph any position
	220 kph stowed
Antenna Stowed Dimensions	Length: 279 cm Width: 184 cm Height: 65 cm
Weight	145 kg - without integration
Integration ²	
Feedboom Mounted	Max additional boomload 8 kg
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)	12.7 mm
Corrosive Atmosphere	As encountered in coastal and/or industrial areas

¹ Dependent on vehicle capabilities

² Dependent on mounting position relative to elevation axis

³ Std weight shown, consult factory for special requirements

Note: Specifications subject to change without notice