

RM-120

1.2m Ku Band

Vehicle Mount Terminal

holkirk

a SEMATRON  company

DSNG Antenna in Ku band



The RM-120 is a high performance DSNG Antenna from Holkirk and is designed to excel in today's demanding DSNG environment.

With a well proven track record the RM series of antennas will provide many years of service in the harshest applications.

1.2m Dual optic reflector

Up to 400w Integrated 1:1 Tx power

Fully enclosed aerodynamic cowl

Low stow height

Colour options available

Ku, Ka band options

BUC mounting on boom or within the cowl

Manual over rides on all 3 axis

A powerful, accurate and smooth positioning system accurately points the antenna at the touch of a button and stows it after use into the compact but aerodynamic cowl which also houses the BUC/HPA making the system a robust stand alone sub-assembly ready to install onto almost any vehicle.

The antenna controller uses high accuracy feedback and a sophisticated pattern recognition algorithm to confirm and refine its heading information using visible satellites.

The system is very simple to install, set-up and use with a fast acquisition time of typically less than 3 minutes from stowed.

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SPECIFICATION

Mechanical Data

Overall Width	-	123 cm
Overall Length	-	168 cm
Stow Height	-	49 cm
Weight	-	100 Kg
Antenna Geometry	-	Dual Optic
Wind Speed		
Operational	-	40 mph (65 kph)
Stowed	-	100 mph (160 kph)
Operating Temp.	-	-20°C ~ +50°C
Azimuth Range	-	± 220°
Elevation Range	-	5 - 90°
Polarisation	-	± 95°

Electrical Data

Gain Tx	-	43.0 dBi
Gain Rx	-	41.8 dBi
VSWR	-	1.3 : 1 max
G/T (30° @ 12.5 GHz)	-	21 dBK
Isolation Tx / Rx	-	105 dB with filter
Polarisation Tx	-	Linear
Polarisation Rx	-	Orthogonal



Accessories

Manual jog, auto-acquire or inclined orbit tracking controller | RF mounting options | High stability LNB | 1:1 Redundancy