

StealthRay 200

Compact 2-way low-profile in-motion satellite antenna compatible with a 40W external BUC

Technical Specifications

Physical	Outdoor Unit Size:	24"L x 22"W x 8"H (60 x 55 x 20 cm)
	Outdoor Unit Weight:	18 lbs (8 kg)
	Indoor Unit Size:	7"L x 9"W x 3"H (18 x 23 x 7 cm)
	Indoor Unit Weight:	2 lbs (1 kg)
<small>(The random is included in all measurements & dimensions)</small>		
Electrical	Frequency Band:	Receive: 10.9 - 12.75 GHz Transmit: 14.0 - 14.5 GHz
	Polarization:	Dual switched linear (auto polarization control)
	Gain:	Receive: 25 dBi Transmit: 27 dBi
	Antenna G/T:	5 db/°K
	Uplink EIRP:	41 dBW
	Cross Polarization:	Greater than 25 dB
	IF Input/Output:	950-1950 MHz
	Ku Band Input:	14-14.5 GHz, 50W max
	Power Supply:	10-30 VDC (antenna)
	Continuous Power Consumption:	20W (antenna)
	Antenna Performance	Elevation Look Angle Range:
Azimuth Angle Range:		Automatically adjusted, 360° continuous
Tracking Rate:		30° per second
Polarization Angle Range:		Automatically adjusted, -180° to +180°
Initial Satellite Acquisition & Lock:		Less than 60 seconds, fully automated with integrated GPS
Satellite Re-Acquisition:		Less than 1 second, modem dependent
Electrical Interfaces	Tx	N-Type, 50Ω
	Rx & Control	F-Type, 75Ω
Environmental	Temperature Range	-13° to +130°F (-25° to +55C)
	Relative Humidity	10 to 100% condensing
	Ground Speed	Up to 105 mph (175 Km/h)



ANTENNA SYSTEMS
RaySat
Satcom on-the-move

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About SIGS

Spacenet Integrated Government Solutions (SIGS), a wholly owned subsidiary of Spacenet Inc, develops networks and communications solutions for agencies such as the Department of Defense, Homeland Security, the Intelligence community and other government agencies requiring highly secure, flexible solutions.

Founded in 1981, Spacenet Inc designs, develops, and manages wireline and wireless broadband network solutions for business, industrial and government customers. RaySat Antenna Systems (RAS) is a division of SIGS and specializes in the development and support of in-motion, low-profile, 2-way antenna systems.

RAS's antennas are specifically designed for the needs of Satcom-On-The-Move (SOTM), mobile emergency communications, home land security (HLS), search & rescue, governmental organizations, DSN, private security, asset tracking, research & exploratory and general mobile satellite data communications. RAS offers consulting and R&D services to clients requiring custom technology solutions.