



Compact 2-way low-profile in-motion satellite antenna with enhanced performance panel technology and Honeycomb radome. Compatible with any external standard BUC (4W to 50W).

❖ Physical	Outdoor unit size	54.5 L x 49 W x 21 H cm (21.5 x 19 x 8.3 in)
	Outdoor unit weight	12 kg (26.5 lb)
	Indoor unit size	18 L x 23 W x 7 H cm (7 x 9 x 3 in)
	Indoor unit weight	1.3 kg (2.8 lb)
❖ Electrical	Frequency band	
	Receive	10.9 – 12.75 GHz
	Transmit	14.0 – 14.5 GHz
	Polarization	Linear (auto polarization control)
	Gain	
	Receive	25.5 dBi
	Transmit	25.7 dBi
	Antenna G/T	4.2 dB/K
	Uplink EIRP	41.5 dBW (with external 40 Watt BUC)
	Internal 4W BUC (optional)	32 dBW
	Cross polarization	> 25 dB
	IF input (Tx)	950-1450 MHz
IF Output (Rx)	950-2150 MHz	
Power supply	10 - 30 VDC	
Power consumption	32W Ant. + 8W IDU	
❖ Antenna Performance	Elevation look angle range	Automatically adjusted, 0° - 90°
	Azimuth angle range	Automatically adjusted, 360° continuous
	Azimuth Tracking rate	45°/second
	Polarization angle range	Automatically adjusted, -180° to +180°
	Initial Satellite acquisition	< 60 sec, fully automated with integrated GPS
	Satellite re-acquisition	<10 sec, when LoS blockage is <2 minutes
	Azimuth tracking accuracy	1.0° @ 60°/s, 360°/s ²
	Elevation tracking accuracy	2.4° @ 45°/s, 180°/s ²
❖ Electrical Interfaces	External BUC	
	Tx input	N (50Ω)
	Rx output	F (75Ω)
❖ Environmental	Temperature range	-25° to +55°C (-13° to + 131°F)
	Relative humidity	Up to 95%
	Ground speed	up to 350 Km/h (220 mi/h)
	Radome material	Honeycomb

About RAS

Established in 2006, Raysat Antenna Systems (RAS) is a world leader in providing low-profile, in-motion, two-way satellite antennas for land mobile applications of COTM (Comms on-the-move). RAS products are used extensively for mobile emergency communications, homeland security, governmental organizations, DSNG, private security, asset tracking, research & exploration, and general mobile satellite data communications. RAS products operate in both Ku and Ka bands. RAS is a wholly owned subsidiary of Gilat Satellite Networks (NASDAQ: GILT).