



2-way low-profile in-motion satellite antenna with enlarged Tx panels

Physical	Outdoor unit size	115 L x 90 W x 19 H cm (45 x 35 x 7.5 in)
	Outdoor unit weight	36 kg (79.4 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)
(The radome is included in all measurements and dimensions)		
Electrical	Frequency band	High band 11.7 - 12.75 GHz Low band 10.95 - 11.7 GHz (Factory option)
	Receive	14.0 - 14.5 GHz
	Transmit	Linear (auto polarization control)
	Polarization	
	Gain	29.5 dBi 30 dBi
	Antenna G/T	7.5 dB/°K at 30° elevation or 8.5 dB/°K at 45° elevation
	Uplink EIRP	44.7 dBW (with 40W external BUC)
	Cross polarization	> 25 dB
	IF input (Tx)	950 - 1450 MHz
	IF output (Rx)	950 - 2150 MHz
	Power supply	10 - 30 VDC (ant.)
Continuous power consumption	55 W (ant.) + 8w (IDU)	
Antenna Performance	Elevation look angle range	Automatically adjusted, 25° - 80°
	Azimuth angle range	Automatically adjusted, 360° continuous
	Tracking rate	60°/sec
	Polarization angle range	Automatically adjusted, -180° to +180°
	Initial satellite acquisition & lock	< 60 sec, fully automated with integrated GPS
	Satellite re-acquisition	< 10 sec (when LoS blockage is < 2 minutes)
	Azimuth tracking accuracy	0.5° @ 60°/s, 360°/s ²
Elevation tracking accuracy	1.0° @ 45°/s, 180°/s ²	
Electrical Interfaces	Tx input	N(50Ω)
	Rx output	TNC(50Ω)
Environmental	Temperature range	-25° to +70°C (-13° to +158°F)
	Relative humidity	Up to 95%
	Ground speed	Up to 350 Km/h (220 mi/h)

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).