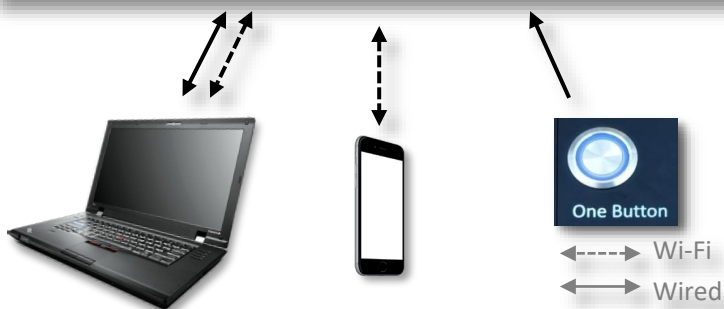


This lightweight rugged auto-pointing antenna is suitable for the most demanding and mission critical applications, both on Ku and Ka-bands.

Key Features

- Carbon fiber reflector and supporting system for lighter weight and higher strength
- Designed and tested to drain rain water even in the highest elevation angles
- Easy to assemble and disassemble
- Antenna and RF parts fit into two airline check-in cases or two carry-on backpacks
- Monitored and controlled via Wi-Fi
- One button operation: automatically completes positioning, deployment, and satellite acquisition in under three minutes
- Tracking system both by beacon and DVB-S2/S2X carriers
- High performance satellite beacon receiver system included
- Automatic latitude and longitude acquisition with integrated GPS and failover to manually entered coordinates. Manual pointing available
- Three control modes can be used for emergency and military operation environments: automatic, motorized and manual
- Conversion between Ku and Ka-bands achieved by manually swapping feed system, BUC, and LNB.
- Compatible with SpaceBridge ASAT™ modems
- Can be integrated to any ground network connectivity solution



1.2m Ku and Ka-Bands Auto-pointing Flyaway Antenna

Specifications

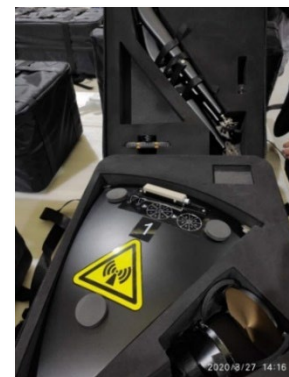
Antenna size		1.2m			
		Ku band		Ka band	
		Receive	Transmit	Receive	Transmit
Operating Frequency, GHz		10.70 to 12.75	13.75 to 14.5	19.2 to 21.2	29 to 31
Gain, Mid-Band (dBi)		41.3	42.7	45.8	49.3
Polarization		Linear		Circular	
XPD (in axis) (dB)		35		25	
VSWR		1.25:1		1.3:1	
Interface		WR75		WR42	WR28
Isolation, Tx to Rx (dB)		85			
Side-lobe		ITU-R S.580			
Net Weight		21 kg (BUC, packing and accessories not included)			
Satellite Acquisition Time		≤3 min			
Control mode		Auto, manual			
Antenna Travel Range	Azimuth	±95°			
	Elevation	10 to 90°			
	Polarization	±90°			
Antenna Travel Rate	Azimuth	0.1 to 3°/s			
	Elevation	0.1 to 3°/s			
	Polarization	0.1 to 3°/s			
Tracking accuracy		Better than 1/5 half power beamwidth			
Positioning mode		GPS			
Operational Winds		72km/h (with anchors and ballasts)			
Survival Winds		100km/h (with anchors and ballasts, pointed to zenith)			
Operational Temperature		-40°C to +60°C			
Storage temperature		-50°C to +70°C			
Operational Rain		100mm/h			
Operational humidity		100%			
Protection level		IP65			
Power supply		110-220 VAC±10%, 24/48V DC optional			
Power consumption		≤ 100W (without BUC, during acquiring mode)			

Example of antenna packing

Packaging	Packing size (mm)	Net weight (kg)	Gross weight (kg)
Backpack 1	670x440x300	13	16.8
Backpack 2	670x480x380	8	13.2



Backpack 1



Backpack 2