

VSAT ANTENNA 1.2 METERS ASL 1.2 MPA Ka, Ku, X and C Band

One Button Acquisition Antenna



Product features:

- High strength, light weight, carbon fiber *reflector with a surface accuracy of <math><0.3\text{mm RMS}</math>.
- Supports both manual and one button auto-deploy acquisition of the satellite..
- Easy assembly and operation, without training or tools, with acquisition of the satellite in four (4) minutes.
- It fully satisfies the standard of MIL-STD-810F
- Supports C, X, Ku and Ka-band operation;
- Supports DVB-S1, DVB-S2 satellite acquisition either by beacon or modem outputs
- Supports various requirements such as, Broadcast & Media, Emergency & Public Safety, Oil & Gas, etc

Antenna System Specification

Model		ASL 1.2 MPA Ku-Band	ASL 1.2 MPA X-Band
Reflector Aperture		1.2m	
Tx Frequency		13.75~14.50 GHz	
Rx Frequency		10.95~12.75 GHz	
Tx Gain		42.8+20 lg(f/14.125) dBi	
Rx Gain		41.3+20 lg(f/11.85) dBi	
Polarization Feature		Linear	
Cross Polarization		35 dB on axis	
Rx/Tx Isolation		85 dB	
Side Lobe		-14 dB (first side lobe) 29-25log θ ($1^\circ \leq \theta < 20^\circ$) 32-25log θ ($20^\circ \leq \theta < 48^\circ$) -10 dB ($\theta \geq 48^\circ$)	
Reflector Type		Dual reflector, Ring focus	
Backpack1	Rotary Table	Size: 700*450*350mm Weight: 26Kg	
Backpack2	Reflector	Size: 700*450*350mm Weight: 17Kg	
Antenna Coverage	Azimuth	$\pm 90^\circ$	
	Elevation	$10^\circ \sim 90^\circ$	
	Polarization	$\pm 95^\circ$	
Axes Velocities	Azimuth	0.01°/S ~ 3°/S	
	Elevation	0.01°/S ~ 3°/S	
	Pol	1° /S	
Power Supply		DC 24 V 10A, AC110-230V 50/60Hz 5A (Optional)	
Operational Wind		65km/h with ballast	
Temperature		-40° C to +60° C	
Shock		MIL-810F Method 513.5 Procedure IV	
Vibration		MIL-810F Method 514.1 Procedure I	
Protection Grade		IP65 (Dust and Water Resistant)	
Humidity		0-98%	