

One Button Acquisition Manpack 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.
- * 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.

Earth Station Antenna

**ASL 0.9 MPA Ku-Band & ASL 0.9 MPA X-Band
0.9 Meter Man-pack Satellite Antenna**

Antenna System Specification

Type	ASL 0.9 Meter Ku & X-band Antenna	
Reflector Aperture	0.9m	
Tx Frequency	13.75~14.50 GHz	7.25~7.75 GHz
Rx Frequency	10.95~12.75 GHz	7.9~8.4 GHz
Tx Gain	38.6+20 lg(f/14.125) dBi	34.5+20 lg(f/7.5) dBi
Rx Gain	37.6+20 lg(f/11.85) dBi	35.5+20 lg(f/8.2) dBi
Polarization Feature	Linear	Circular
Feed Interface	WR75	WR112
Cross Polarization	35 dB on axis	
Rx/Tx Isolation	85 dB	
Side Lobe	-14 dB (first side lobe)	
Reflector Type	Dual reflector, Ring focus	
Backpack	Size: 650*500*350mm Weight: 23Kg(without BUC)	
Antenna Coverage	Azimuth	± 180°
	Elevation	10°~90°
	Polarization	± 95°
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 (40mph) with ballast	
Temperature	-40° C to +50° C	
Protection Grade	IP65 (Dust and Water Resistant)	
Humidity	0-98%	