



Man-Pack Antenna

ASI 1.0 Meter Man-Pack X-Band Satellite Antenna

Description:

We welcome you to the world of Alpha Satcom, Inc. The oldest, new antenna company on the planet. ASI is dedicated to bringing to you, the discerning customer, world-class products and services at the right price and at the right time.

Comprised of a team of Engineers and Satellite Professionals, both of whom with a stellar history reaching back to the beginnings of the Satellite Industry, ASI is uniquely qualified to bring to the market new, modern, state-of-the-art, antennas that will provide years of exceptional service. Coupled with a network of select customer focused companies, ASI can address the various requirements your particular business plan requires. We invite you to step into the professional world of Alpha Satcom, Inc.



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, acquisition of the satellite in four minutes.
- Design available on C, X, Ku and Ka-Band operation.
- Supports satellite acquisition by DVB-S1, DVB-S2, beacon or modem outputs.
- Supports various requirements such as, Broadcast & Media, Emergency & Public Safety, Oil & Gas platforms, etc.

Alpha Satcom, Inc.

www.alpha-satcom.com



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Antenna System Specification		
Model	ASL 1.0 MPA X-Band	
Reflector Aperture	1.0 Meter	
TX Frequency	7.9 - 8.4 GHz	
RX Frequency	7.25 - 7.75 GHz	
TX Gain	36.3 + 20 lg(f/7.5) dBi	
RX Gain	35.5 + 20 lg(f/8.2) dBi	
Polarization Feature	Circular	
Feed Interface	WR112	
Cross Polarization	35 dB on axis	
RX / TX Isolation	85 dB	
Side Lobe	-14 dB (first side lobe)	
Reflector Type	Prime Focus	
Softpack 1	Pedestal	Size: 600 x 450 x 350 mm Weight: 23 Kg (without BUC)
Softpack 2	Reflector, Feed & Tripod	Size: 600 x 450 x 350 mm Weight: 16 Kg
Antenna Coverage	Azimuth	± 180°
	Elevation	10° ~ 90°
	Polarization	± 95°
Axes Velocities	Azimuth	0.01° / S - 3°/S
	Elevation	0.01° / S - 3°/S
	Polarization	1° / S
Power Supply	DC 24 V 5A	
Operational Wind	65 km/h (40mph) with ballast	
Temperature	-40° C to +60°	
Protection Grade	IP65 (dust and lower pressure water jet resistant)	
Humidity	0-98%	