



SPACE PULSE TECHNO SOLUTIONS PVT. LTD.

1.0M MANPACK KU-BAND FLYAWAY ANTENNA

Flyaway VSAT is a portable Satellite terminal for quick deployment. The VSAT terminal is fully equipped for handling high speed downloads & data transmissions to support voice & video conferencing.

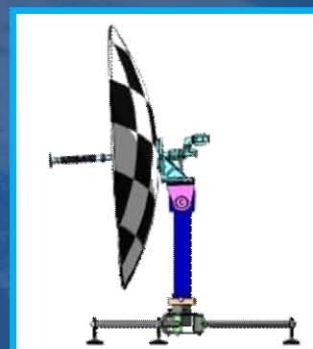
The antenna drive is manually steerable for azimuth & elevation movement. The antenna of size 1.0Mtr combined with 25/40 Watt BUC & LNB provides an effective EIRP and excellent G/T. manual mount is easy to install and very light and cost effective. The VSAT is equipped with an electronic hybrid compass, angle marking for azimuth, elevation & polarization & GPS to align the antenna to given satellite in the field. The terminal is supplied with satellite meter for easy tracking of the satellite.

Applications :

- Disaster management and relief.
- Public Security, Military and government.
- The remote areas and the rural areas, out of coverages.
- Filed operations and News

Components :

- Azimuth & Elevation turntable
- Adjustable Satellite meter for tracking



Technical Specifications:

ELECTRICAL SPECIFICATION		
	Standard Ku	
Frequency (GHz)	Receive	Transmit
	10.75 -12.5 GHz (With Separate TRF)	12.75 - 14.5 GHz (with switchable LO)
Typical Gain (dB)	40 dB	41 dB
Polarization	Linear, adjustable	
VSWR	1.3:1	1.3:1
Beam Width: -3dB	1.8°	1.6°
Power Handling Capability		400W
Feed Interface	WR-75	WR-75
Feed insertion Loss (dB)	0.3dB	0.2dB
Tx/Rx Isolation	80dB	
Cross Polarization Isolation	≥ 30dB	
MECHANICAL SPECIFICATIONS		
Weight	~28 Kg (Including 25W BUC & LNB)	
Material	Carbon Fiber Reflector	
Mounting Time	10 Minutes	
Drive Mode	Manual steering - 3 Axis dial with reading	
Azimuth Travel	±200°	
Elevation Travel	5°~90°	
Polarization Travel Rate	±90°	
Surface Accuracy (R.M.S)	0.3mm	
Ambient Temperature	-20°C to +50°	
Relative Humidity	0%~100%	



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