



# SPACE PULSE TECHNO SOLUTIONS PVT. LTD.

## 1.2M MANPACK C-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 fully motorized for azimuth & elevation movement. The antenna of size 1.2Mtr combined with 25/40 Watt BUC & LNB provides an effective EIRP and excellent G/T. The mount is designed for speed of 3 degrees per second with accuracy of 0.1 degree. The VSAT is equipped with an electronic hybrid compass, inclinometer and GPS for obtaining true bearing and elevation.

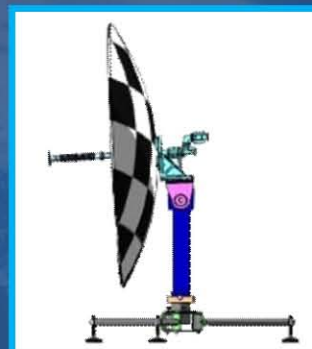
### Applications:

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



### Components:

- 6 petal Reflector
- Azimuth & Elevation turntable
- Antenna control unit with Power supply module.
- Complete Rugged System



# Technical Specifications:

ELECTRICAL SPECIFICATION		
Frequency (GHz)	Standard C	
	Receive	Transmit
	3.625 ~ 4.2	5.8~6.425
Typical Gain (dB)	32.1@4GHz	35.6@6GHz
Polarization	Linear	
VSWR	1.30:1	1.30:1
Beam Width: -3dB	4.0°	2.7°
Power Handling Capability		100W
Feed Interface	CPR229	CPR137
Feed insertion Loss (dB)	0.3dB	0.2dB
Tx/Rx Isolation	80dB	
Cross Polarization Isolation	> 30dB	
MECHANICAL SPECIFICATIONS		
Weight	~28Kg	
Material	Carbon Fiber Reflector	
Deployment Time	10 Minutes	
Drive Mode	Full Auto	
Azimuth Travel	+200°	
Elevation Travel	0°~90°	
Polarization Travel Rate	+90° (Manual)	
Surface Accuracy (R.M.S)	0.3mm	
Ambient Temperature	-20°C to +50°	
Relative Humidity	0%~100%	



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