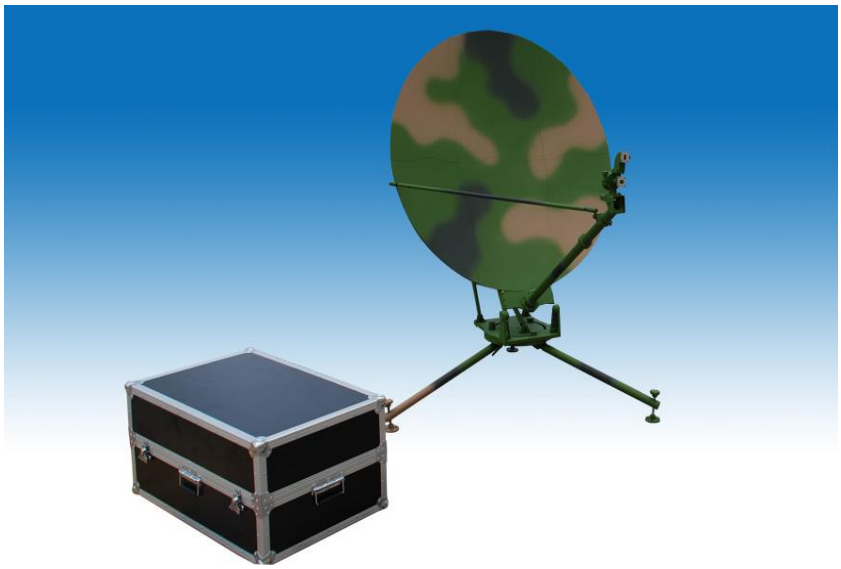
1.2m Flyaway Carbon Fiber antenna (manual)



Portable Satellite Communications Antenna System

Applications：

- Sudden public events and all kinds of disasters on-site information gathering
- Disaster relief
- Public security, military, government, oil, water conservancy, electricity, finance and other important sectors of the country
- The remote areas and the vast rural areas out of coverage
- Field operations, exploration, military police and news media

Components

- Single Offset Antenna
- Azimuth & elevation turntable

Features

- Carbon fiber antenna reflector with light weight, high precision and high efficiency, corrosion resistance and other characteristics, it ensured the antenna in the normal operation under harsh environment in greatest degree.
- Compact structure, Lightweight, portable, rapid deployment, high performance, a person can install within 5 minutes, available in airline baggage.
- The latest design of the Ku-band satellite antenna, being compact and robust, cost-effective can be used in the fast and reliable satellite communications.
- Designed specifically for field use, regardless of when and where, it can quickly transfer high-quality broadband content.

Specification

RF PERFORMANCE		
Antenna Aperture		1.2m
Operation frequency	Tx	13.75—14.5 GHz
	Rx	10.95-12.75GHz
Gain	Tx	＞43dBi
	Rx	＞42dBi
Polarization		Linear
Cross-polarization	Tx	＞30dB
	Rx	＞30dB
VSWR	Tx	1.25：1
	Rx	1.25：1
3dB beam width	Tx	1.2 °
	Rx	1.32 °
Power Capacity		250W
Feed Interface		WR75
Tx/Rx Isolation		Rx ＞40dB Tx ＞85dB
Sidelobe（1°≤θ＜20 °）		First Sidelobe ＜-18dB

MECHANICAL SPECIFICATION

Antenna Type	Offset antenna
Main reflector material	Carbon fiber (6 panels)
Weight	17 Kg
Elevation	10 °-- 85 °
Azimuth	±45 °
Polarization	±90 °

ENVIRONMENTAL SPECIFICATION

Wind load operational	10m/s operational status 13m/s—20m/s (survival status)
Operational Temperature	-40℃-+70℃

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