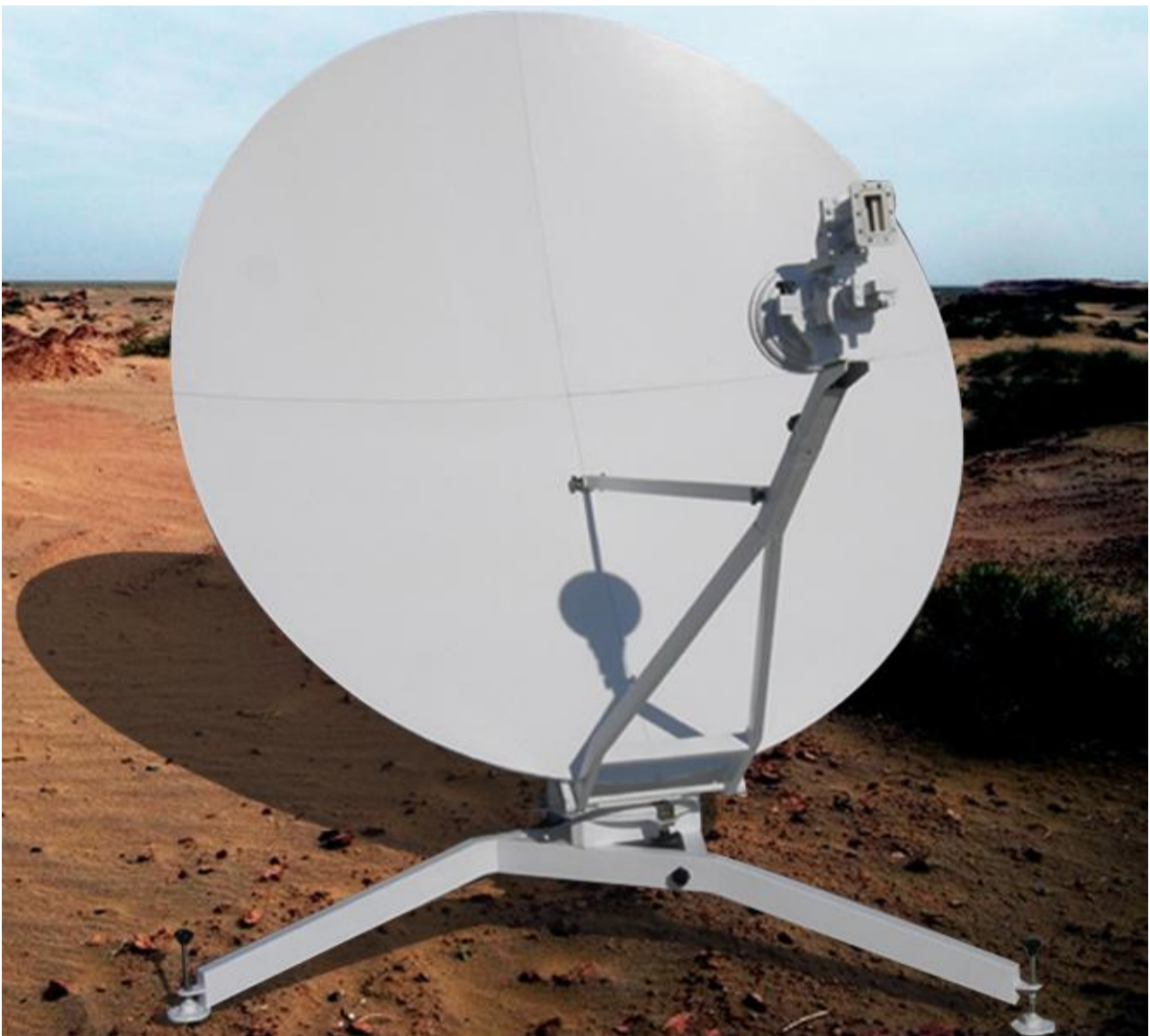


1.8m Flyaway Carbon Fiber antenna (Ku-band)



Portable Satellite Communications Antenna System

Applications:

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

Components

1. Single Offset Antenna
2. Azimuth & elevation turntable

Features

1. 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.
2. Compact structure, Lightweight, portable, rapid deployment, high performance, a person can install within 5 minutes, available in airline baggage.
3. 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.
4. Designed specifically for field use, regardless of when and where, it can quickly transfer high-quality broadband content.

Technical Specification

RF PERFORMANCE		
Antenna Aperture		1.8m (Ku-band)
Operation frequency	Tx	13.75-14.5 GHz
	Rx	10.95-12.75GHz
Gain	Tx	46.5dBi
	Rx	45dBi
Polarization		Linear
VSWR		1.3 : 1
Feed interface		WR75
Power		1KW
Isolation Tx/Rx		85dB

MECHANICAL SPECIFICATION	
Reflector	4pcs panels, dimension: 963 × 900mm
Transmission	Az, El manual adjustment gear
	The transmission also have locking function
	Az Rotation: 360°
	El Rotation: 5—85°
	Polarization Rotation: ±90°
Degree Scale	Az/El has angle degree scale
Accessory tools	Ground anchor, Star handle
Assembly	No need of tools during the assemble of antenna

ENVIRONMENTAL SPECIFICATION	
Wind load operational	10m/s operational status
	20m/s survival status
Operational Temperature	-45—60°C
Storage Temperature	-55—70°C
Operational humidity	≤95% (30°C)
Sea level elevation	≤4500m