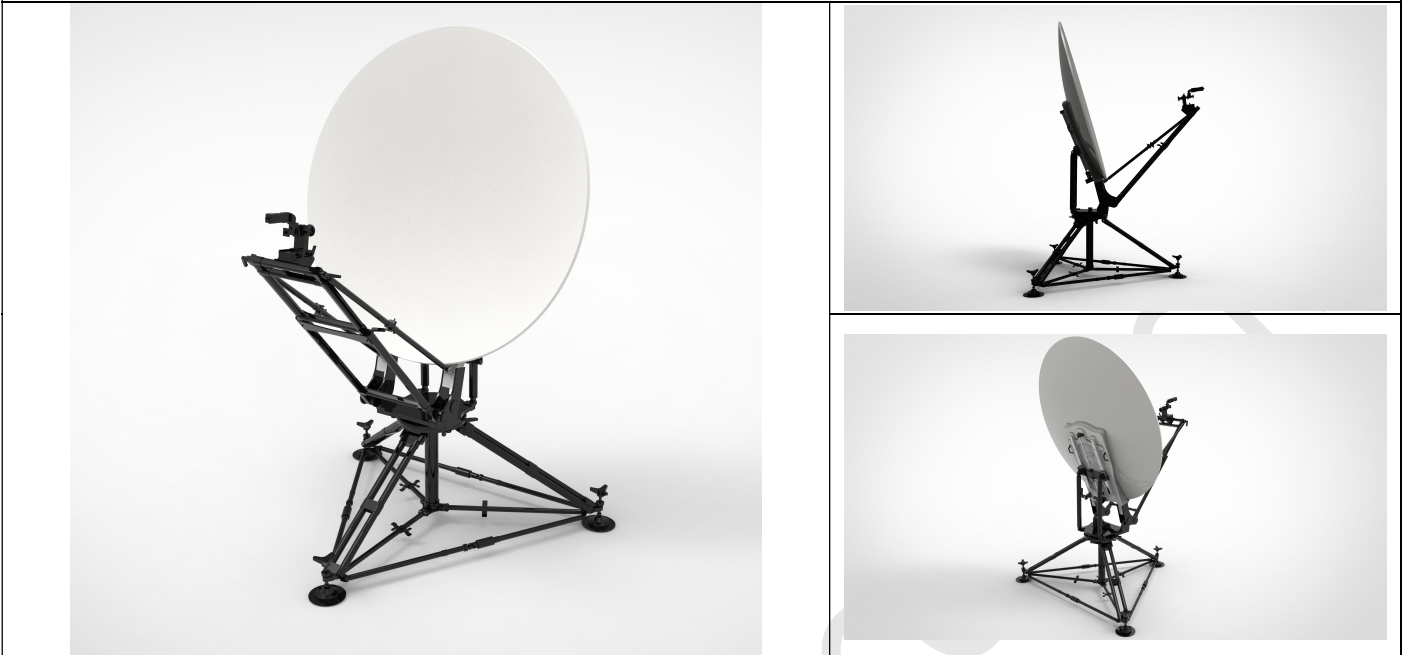


1.8M CARBON FIBER MANUAL OFFSET FLYAWAY ANTENNA (Tripod-type)



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.

Highlight Features

- Carbon fiber antenna reflector with light weight, high precision ,high efficiency and $R.M.S \leq 0.3mm$
- Support C,X,Ku and Ka band
- Easy install without training and tools
- The latest design of the Ka-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.

Components

- Single Offset Antenna
- Azimuth & elevation turntable
- Portable case
- Compass & leveling

Technical Specification

ELECTRICAL SPECIFICATIONS

| | | | | |
|---------------------------|--------------|------------|-----------|------------|
| Type | CFM180 | | | |
| Operation Frequency(GHz) | KU band | | C band | |
| | Receive | Transmit | Receive | Transmit |
| | 10.7-12.75 | 13.75-14.5 | 3.4-4.2 | 5.85-6.725 |
| Typical Gain(dBi) | 44.8@12GHz | 46.2@14GHz | 35.7@4GHz | 39.2@6GHz |
| Polarization | Linear | | Linear | |
| XPD on Axis(dB) | 33dB | | 33dB | |
| Power Handling Capability | / | 200W | / | 400W |
| Feed Interface | WR75 | WR75 | CPR229 | CPR137 |
| Tx/Rx Isolation | 80dB | | | |
| Radiation pattern | ITU-R.S580-5 | | | |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------|--|
| Antenna diameter | 1.8m |
| Antenna type | single Offset |
| Reflector construction | Carbon Fiber |
| Pointing mode | Manual |
| Azimuth travel | 360° |
| Elevation travel | 0 to 90° |
| POL travel | ±95° |
| Mount type | Elevation over azimuth |
| Surface Accuracy (R.M.S) | 0.3mm |
| Weight | 90Kg |
| Operation temperature | -40 to + 60°C |
| Wind loading | Operating : 40Km/h gusting to 72 Km/h Survival : 96 Km/h with ties down |
| Relative Humidity | 0% ~ 100% |