

# 1M Flyaway Antenna

## Applications:

- 1, Sudden public events and all kinds of disasters on-site information gathering
- 2, Relief in disaster
- 3, Public security, military, government, oil, water conservancy, electricity, finance and other important sectors of the country

## Features

- 1, Carbon fiber antenna reflector has a light weight, high precision and high efficiency, corrosion resistance and other characteristics, it ensured the antenna in Normal operation with harsh environments in maximum extent.
- 2, Lightweight, easy to carry, rapid deployment, high performance, a man can be installed within 5 minutes, available airline baggage.
- 3, The latest design of the Ku-band satellite antenna, being compact and robust, cost-effective, can be used for fast and reliable satellite communications.
- 4, Specifically designed to be used for on-site, regardless of when and where, it can fast transfer high-quality broadband content.

Antenna Aperture		1M Flyaway Antenna
VSWR	Tx	1.25:1
	Rx	1.25:1
3dB beamwidth	Tx	1.4°
	Rx	1.6°
Polarization		Linear
Operation frequency	Tx	14-14.5GHz
	Rx	12.25-12.75GHz
Cross-polarization	Tx	>30dB
	Rx	>30dB
Gain	Tx	>41.0 dBi
	Rx	>39.0 dBi
Tx/Rx Isolation		Rx >40dB    Tx >85dB
sidelobe( $1^\circ \leq \theta < 20^\circ$ )		first sidelobe <-20 dB
Power capacity		100W
Feed Interface		WR75
Temperature operational		-30° C--55° C
Wind load operational		20m/s
Antenna Type		Offset antenna
Main reflector material		Carbon Fiber
Weight		15.5 Kg
Elevation		10° --90°
Azimuth		±45° (Vernier adjustment)
Polarization		±90°
Case size		686*446*336mm