



0.9M Flyaway Antenna

0.9M Flyaway antenna is satellite communication antenna with the advantage of miniaturization and portability, which can be fallen into two categories: aluminum and fiber antenna in the light of material. Flyaway antenna can support such communication service as voice, data and fax.

It is available for a wide range of applications, containing remote areas, island, village, oil filed, mina area, finance, transportation, civil aviation, environment, waterpower, electric power, geology, salvage, rescue, and emergency. It can solve the problem that wired communication, such as electric cable and optical fiber, don't serve and don't open at any time. It can also solve the problem of instability of wired communication and limitation of communication service.

- **Features**

Aluminum or Carbon fiber material;

Easy deploy and fast field assembly without any tools;

High gain and excellent sidelobe performance;

Simple and robust structure;

Quick assembly within 5 minutes;

Packed in one case or backpack;

Aviation package.



ELECTRICAL SPECIFICATION

Diameter	0.9M	
Operating Frequency, GHz	Ku-Band	
	Receive	Transmit
	10.95~12.75	13.75~14.5
Gain, Mid-band, dBi	39 dBi	40dBi
Polarization	Linear	
VSWR	1.3:1	1.3:1
-3dB Beamwidth	1.4°	1.6°
Feed Interface	WR-75	WR-75
Rx/Tx Isolation	Rx >40dB, Tx >85dB	
Sidelobe	First sidelobe < -14 dBi $29-25\log \theta$ ($1^\circ \leq \theta < 20^\circ$) $32-25\log \theta$ ($20 \leq \theta < 48^\circ$) -10 dBi ($\theta \geq 48^\circ$)	

MECHANICAL SPECIFICATION

Antenna Type	Offset antenna
Antenna material	Carbon Fiber, 6pcs panels assembly
Mount Type	El. over Az.
Drive Mode	Manual
Net Weight	14Kg



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Travel Pointing Range	Azimuth	$\pm 45^\circ$
	Elevation	$10^\circ \sim 90^\circ$
	Polarizaiton	$\pm 95^\circ$
ENVIRONMENTAL SPECIFICATION		
Temperature		$-45^\circ \sim +50^\circ$
Temperature		11m/s in the state of free work
		20m/s when fixing the anchor