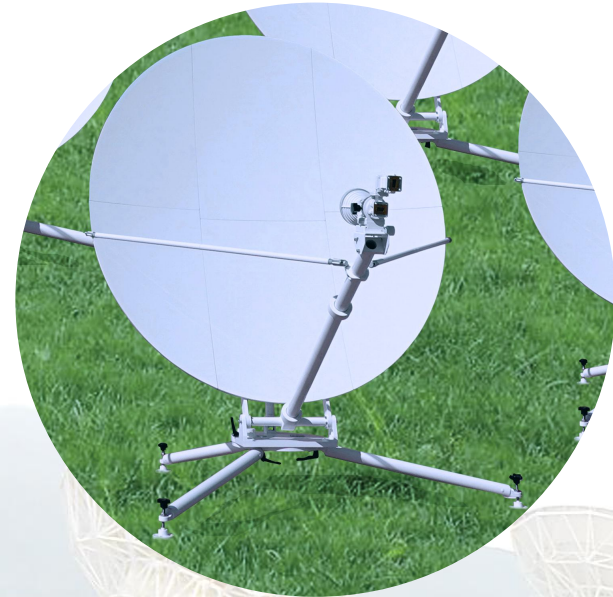


Flyaway VSAT antenna Model NS-FM-100 1.0m Antenna

Characteristics:

- Meets or exceeds CCIR 580 and Intelsat requirements;
- Meets Intelsat, Asiasat, Chinasat network access requirement;
- Offset designed;
- Carbon fiber material, high strength, light weight;
- High gain, Low sidelobe, High G/T rate;
- Convenient and quick assembly&adjustment;
- Ku band, Ku BSS band available;



Application field:

- Defense security;
- Government emergency communications departments;
- Telecommunications operators;
- News media, public security;
- Border defense, armed police, military, scientific expeditions.

RF SPECIFICATIONS**NS-FM-100****NS-FMKB-100**

Frequency,	10.95~12.75GHz	13.75~14.5GHz		11.7~12.2GHz
Gain,dBi	≥39.8+20lg(f/12.50)	≥41.0+20lg(f/14.25)		≥39
Polarization		Linear		Circular
Cross polarization isolation(on axis)(linear)	≥35	≥35		≥30
Axial ratio, dB, circular	/	/	≤1.2 dB	≤1.2 dB
Feed insertion loss, dB	0.2	0.25	≤0.2	≤0.2
-3dB Beam width, mid-band	1.8°	1.6°	1.8°	1.6°
Power capacity, KW	/	1	/	1
Feed interface	WR-75	WR-75	WR-42	WR-28
Isolation, Rx to Tx, dB		85		85
First Sidelobe		<-14		<-14

MECHANICAL SPECIFICATIONS**ENVIRONMENT SPECIFICATIONS**

Antenna Diameter	1.0m	Working wind speed	≤11 m/s
Antenna Type	Offset	Survival wind speed	≤18 m/s
Reflector material	Carbon fiber	Temperature	-40°C~60°C
Antenna Weight(Gross)	≤28kg(Aviation case) ≤21kg(Manpack bag)	Humidity	100%(20 ° C)
Antenna Weight(Net)	≤14kg(Exclude BUC,LNB, Package)	Protection level	IP65
Antenna travel Range Azimuth Elevation Polarization	±45° 5°~90° ±90°		
Drive Mode	Manual		
Antenna package	Aviation case:680×420×420mm Manpack bag: 710×560×300mm		

[Website: www.vastantenna.com](http://www.vastantenna.com)

1.0m manual flyaway antenna

Unit Set Item		Net Weight	Gross Weight	Package Dim(L*W*H,cm)	Package Quantity
Antenna panel	5pcs				
Rotary platform	1pc				
Feed support arm	1pc				
Antenna feed	1pc	14kg	28kg	Aviation case:680×420×420mm	1 package
Support leg	3pcs		21kg	Manpack bag: 710×560×300mm	
Feed pull rod	2pcs				

