

FLY-75V



TECHNICAL SPECIFICATIONS

The iNetVu® FLY-75V Flyaway Antenna is a 75 cm satellite antenna system which is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.

"Authorized for use on ViaSat Exede® Enterprise and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat* "



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: Standard Tria and new eTRIA
- Designed to work with the iNetVu® 7710 Controller
- Works seamlessly with the world's emerging commercial ViaSat/KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 2 ruggedized cases
- Supports Skyware Global 75 cm Ka antenna
- Standard 2 year warranty



Application Versatility

If you operate in Ka-band, the FLY-75V system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. This next generation Flyaway Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

* http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat_Broadband_Services.pdf (p.14)



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Specifications are subject to change

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Mechanical

Reflector	75cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$
Azimuth	$\pm 175^\circ$
Elevation	0 - 90°
Polarization	Circular, Auto-switching
Elevation Deploy Speed	Variable, 3°/sec typ.
Azimuth Deploy Speed	Variable 3°/sec typ.
Peaking Speed	0.1°/sec

Environmental

Wind loading	
Operational (no ballast)	50 km/h (30 mph)
Operational (with ballast)	72 km/h (45 mph)
Temperature	
Operational	-30° to 60° C (-22° to 140° F)
Survival	-40° to 65° C (-40° to 149° F)

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A, Water Ingress Rating: IP-66

Electrical

Rx & Tx Cable	Single IFL, RG6 cable - 10 m (33 ft)	
Control Cables		
Standard	10 m (33 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
	Receive	Transmit
Frequency (GHz)	18.30 - 20.20	28.10 - 30.00
Feed Interface (Circular)	RG6	RG6
Nominal G/T	17.5 dB/K	
Nominal EIRP	48.4 dBW	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from transceiver to tripod base

Physical

Case 1: Tripod/Reflector	L: 85 cm (33.5") H: 29 cm (11.5")	W: 85 cm (33.5") 32 Kg
Case 2: Controller/AZ/EL	L: 44.5 cm (17.5") H: 38 cm (15.5")	W: 80 cm (31.5") 32 Kg

Motors

Electrical Interface	24VDC	8 Amp (Max.)
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Shipping Weights & Dimensions*

Case 1: 85 cm x 85 cm x 29 cm (33.5" x 33.5" x 11.5"); 32 kg

Case 2: 44.5 cm x 80 cm x 38 cm (17.5" x 31.5" x 15.5"); 32 kg

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

