

FLY-75V

iNetVu[®]
by C-COM Satellite Systems Inc.

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)



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)
www.c-comsat.com

Specifications are subject to change

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TECHNICAL SPECIFICATIONS

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, $3^\circ/\text{sec}$ typ. |
| Azimuth Deploy Speed | Variable $3^\circ/\text{sec}$ typ. |
| Peaking Speed | $0.1^\circ/\text{sec}$ |

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.) |
|----------------------|-------|--------------|

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

