

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.

“Compliant for use on ExedeSM Ka Service by ViaSat and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat”



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- 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.



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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° |
| Elevation Deploy Speed | Variable, 3°/sec typ. |
| Azimuth Deploy Speed | Variable 3°/sec typ. |
| Peaking Speed | 0.1°/sec |

Environmental

| | |
|------------------------------|--------------------------------|
| Survival | |
| Ballast Deployed | 100 km/h (60 mph) |
| Temperature | -40°C to 65°C (-40°F to 150°F) |
| Operational | |
| Wind - No Ballast or anchors | 50 km/h (30 mph) |
| - With ballast | 72 km/h (45 mph) |
| Temperature | -30°C to 60°C (-22°F to 140°F) |

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