

FLY-98H

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

TECHNICAL SPECIFICATIONS

The iNetVu[®] FLY-98H Flyaway Antenna is a 98 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 Avanti & Yahsat Satellite Services

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 Ka modems and 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; 3 ruggedized cases
- Supports Skyware Global 98 cm Ka antenna
- Works with Yahsat (MENA)⁽¹⁾ and Avanti (Europe)⁽¹⁾
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-98H 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.

⁽¹⁾ Uses JUPITER Radio

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Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna Compass ± 2° Tilt sensor ± 0.1° |
| Azimuth | ± 175° |
| Elevation | 0 - 90° |
| Polarization | ± 45°, Circular Manual |
| 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) |
| Water Ingress Rating | IP-66 |

Electrical

| | | |
|--------------------------------|---------------------------------|---------------------------------|
| Rx & Tx Cables | 2 RG6 cables -10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| Frequency (GHz) | Receive 19.20 - 20.20 | Transmit 29.50 - 30.0 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (+0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75 GHz |
| Antenna Noise Temp. (K) | 30° EL= 62 Max. | |
| Sidelobe Envelope Co-Pol (dBi) | | |
| 100λ / D < Ø < 20° | 29 - 25 Log Ø | |
| 20° < Ø < 26.3° | -3.5 | |
| 26.3° < Ø < 48° | 32-25 Log Ø | |
| 48° < Ø < 180° | -10 (typical) | |
| Cross-Polarization | > -24 dB | > -22 dB |
| VSWR | 1.3:1 | |

RF Interface

| | |
|----------------|----------------------------|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U F Type to tripod base |

Physical

| | | |
|--------------------------|--|-------------------------------------|
| Case 1: Reflector | L: 109 cm (43") H: 29 cm (11.5") | W: 109 cm (43") 28.6 Kg (63 lbs) |
| Case 2: Tripod/Feed arm | L: 122 cm (48") H: 28cm (11") | W: 58 cm (23") 27.7 Kg (61 lbs) |
| Case 3: Controller/AZ/EL | L: 44.5 cm (17.5") H: 38 cm (15.5") | W: 80 cm (31.5") 34 Kg (75 lbs) |

Motors

| | | |
|----------------------|-------|--------------|
| Electrical Interface | 24VDC | 8 Amp (Max.) |
|----------------------|-------|--------------|

Shipping Weights & Dimensions*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x 48") 23.1 Kg (51lbs)
Total weight of system in cases: 90.3 Kg (199 lbs)
Total weight of system in cases on skid: 113.4 Kg (250 lbs)

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

Request A Quote

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