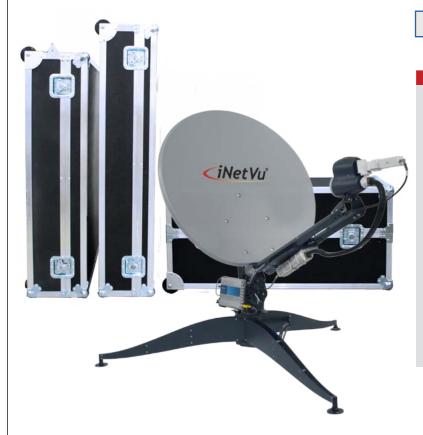




## TECHNICAL SPECIFICATIONS

The iNetVu<sup>®</sup> FLY-981 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<sup>®</sup> 7710 Controller providing fast satellite acquisition within minutes, anytime anywhere. It can be assembled in 10 minutes by one person.



#### Field Upgradable to FLY-98G, FLY-98V or FLY-98H

#### Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7710 Controller
- Works seamlessly with the world's most popular commercially available Ku modems
- 3 Axis motorization
- · Supports manual control when required
- One button, auto-pointing controller acquires Ku-band satellite within 2 minutes
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Standard 2 year warranty

#### **Application Versatility**

If you operate in Ku-band, the FLY-981system 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 Ku 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.



24/9 Powells Road, Brookvale, NSW 2100, Australia +61 2 9939 4377 sales@stepelectronics.com.au

# iNetVu<sup>®</sup> FLY-981

98 cm Elliptical Antenna, offset feed

**Elevation over Azimuth** 

Variable, 3°/sec typ.

Variable 3°/sec typ.

GPS antenna Compass  $\pm 2^{\circ}$ Tilt sensor  $\pm 0.1^{\circ}$ 

±175°

0 - 90°

± 90°

0.1º/sec

by C-COM Satellite Systems Inc.



Feed Arm

## TECHNICAL SPECIFICATIONS

#### Mechanical

Reflector Platform Geometry Deployment Sensors

Azimuth Elevation Polarization Elevation Deploy Speed Azimuth Deploy Speed Peaking Speed

#### Environmental

Wind loading Operational (no ballast) Operational (with ballast) Temperature Operational Survival Water Ingress Rating

#### Electrical

Rx & Tx Cables Control Cables Standard Optional 50 km/h (30 mph) 72 km/h (45 mph)

-30° to 60° C (-22° to 140° F) -40° to 65° C (-40° to 149° F) IP-66

2 RG6 cables -10 m (33 ft) each

10 m (33 ft) Ext. Cable up to 60 m (200 ft) available

Frequency (GHz) Feed Interface Midband Gain ( $\pm$  0.2 dBi) Antenna Noise Temp. (K) Sidelobe Envelope Co-Pol (dBi) 1.8°  $< \emptyset < 20^{\circ}$ 20°  $< \emptyset < 26.3^{\circ}$ 26.3°  $< \emptyset < 48^{\circ}$ 48°  $< \emptyset < 180^{\circ}$ Cross-Polarization VSWR 
 Receive
 Transmit

 10.70-12.75 <sup>(1)</sup>
 13.75-14.50

 WR-75
 WR-75

 39.70@12.00 GHz
 41.20@14.30 GHz

 10° EL=53 / 20° EL= 32 Max.
 30° EL= 32 Max.

29 - 25 Log Ø -3.5 32-25 Log Ø -10 (typical) > -30 dB in 1 dB Contour 1.5:1 1.3:1 

 Physical

 Case 1: Reflector
 L: 10

 H: 2

 Case 2: Tripod/Feed arm
 L: 12

 H: 2

 L: 109 cm (43")
 W: 109 cm (43")

 H: 29 cm (11.5")
 28.6 Kg (63 lbs)

 L: 122 cm (48")
 W: 58 cm (23")

 H: 28cm (11")
 27.7 Kg (61 lbs)

 L: 44.5 cm (17.5")
 W: 80 cm (31.5")

 H: 38 cm (15.5")
 34 Kg (75 lbs)

RG6U F Type to tripod base (N Type Optional)

### Motors

**RF Interface** 

**Radio Mounting** 

Coaxial

Electrical Interface

Case 3: Controller/AZ/EL

8 Amp (Max.)

#### Shipping Weights & Dimensions\*

Skid: 132 cm x 137 cm x 121.9 cm (52" x 54" x48") 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

24VDC

Note:  $^{(1)}$  LNB PLL Type required with stability better than  $\pm$  25 KHz



24/9 Powells Road, Brookvale, NSW 2100, Australia +61 2 9939 4377 sales@stepelectronics.com.au