FLY-98G

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® FLY-98G 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 Hylas Ka 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 (Optional - motorized 3rd axis)
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Captive hardware / Fasteners
- 10 minute assembly by one person, no tools required
- Compact packaging; 3 ruggedized cases
- Supports Skyware Global 98 cm Ka antenna
- Standard 2 year warranty

Buy Now!

Application Versatility

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

Digisat International, Inc.

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Mechanical

Reflector	98 cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna
	Compass ± 2º
	Tilt sensor ± 0.1º
Azimuth	± 175º
Elevation	0 - 90º
Polarization	± 45º, Circular Auto
Elevation Deploy Speed	Variable , 3º/sec typ.
Azimuth Deploy Speed	Variable 3º/sec typ.
Peaking Speed	0.1º/sec

Environmental

Wind loading	
Operational (no ballast)	50 km/h (30 mph)
Operational (with ballast)	72 km/h (45 mph)
Temperature	
Operational	-30º to 60º C (-22º to 140º F)
Survival	-40º to 65º C (-40º to 149º 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	
	Receive	**Transmit**
Frequency (GHz)	19.20 - 20.20	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)	30º EL= 62 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-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")	W: 109 cm (43")
	H: 29 cm (11.5")	28.6 Kg (63 lbs)
Case 2: Tripod/Feed arm	L: 122 cm (48")	W: 58 cm (23")
	H: 28cm (11")	27.7 Kg (61 lbs)
Case 3: Controller/AZ/EL	L: 44.5 cm (17.5")	W: 80 cm (31.5")
	H: 38 cm (15.5")	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" 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

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Specifications are subject to change Nov 2015