

FLY-1202G

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The new iNetVu® 1.2m Flyaway Ka-band Antenna System is a highly portable, self-pointing, auto-acquire unit that is configurable with the iNetVu® 7715 Controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented Carbon reflector with compact pedestal and is designed to be cost-effective while providing exceptional performance in a light weight package.

Field Upgradable to Ku



Features

- One button auto-pointing controller
- 2 Axis motion Ka-band; 3 Axis optional
- Airline transportable
- Supports manual control when required
- Designed to work with the iNetVu® 7715 Controller
- Captive hardware / fasteners
- 1.2m offset, prime focus, 2-piece Carbon reflector
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person job
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and convenience for the user
- Compliant with Avanti/Gilat Ka services
- Compact packaging, ruggedized shipping cases
- Minimal maintenance required
- Can be easily converted to support Ku-band
- Optional 3W & 5W transceivers; higher BUCs also supported
- Standard 2 year warranty

Application Versatility

If you operate in Ka-band, the FLY-1202G Flyaway 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. Ideally suited for industries such as Disaster Management, Military, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

C-COM
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Specifications are subject to change

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TECHNICAL SPECIFICATIONS

Mechanical

Antenna Size & Material	1.2m Carbon reflector
Platform Geometry	Elevation over azimuth
Antenna optics	2-piece segmented
Offset angle	16.97°
Azimuth	±175°
Elevation	5° to 90°
Polarization	Circular, auto-switching
Elevation deploy speed	Variable 6° / sec
Peaking speed	0.2° / sec

Environmental

Wind loading	
Operational	
No ballast or anchors	48 km/h (30 mph)
With ballast or anchors	72 km/h (45 mph)
Temperature	
Operational	-30° to 60° C (-22° to 140° F)
Survival	-40° to 65° C (-40° to 149° F)
Rain	
Operational	10 cm/h
Survival	15 cm/h
Solar radiation	360 BTU / h / sq. ft

RF Interface

Radio mounting	Feed arm
Feed	RG6 F type

Electrical

Electrical interface	24VDC 8 Amp (Max.)
Rx & Tx cables	2 RG6 cables
Control cables	
Standard	10m (33 ft) ext. cable
Optional	up to 60m (200 ft) available

Ka-Band

	Receive	Transmit
Frequency (GHz)		
3W-XRC	19.20 - 20.20	29.50 - 30.00
(Optional) 3W-XRF	17.80 - 20.20	29.00 - 30.00
(Optional) 3W - TRX0121	18.10 - 20.20	29.00 - 30.00
(Optional) 4W - AN8025	17.70 - 20.20	29.00 - 30.00
(Optional) 4W - AN8023	17.70 - 20.20	28.10 - 29.10
(Optional) 2 Port CP feed	19.40 - 21.20	29.20 - 31.00
Midband Gain (± .2dB)	46.5	49.9
EIRP (Nominal)	54 dBW @ 29.75 GHz	
G/T (Nominal)	23.6 dB/K @ 19.95 GHz	
Antenna Noise Temp. (K)	20° EL= 107 / 40° EL= 89	
Sidelobe Envelope Co-Pol (dBi)		
1.5° <Θ < 20°	29-25 LogΘ	
20° <Θ < 26.3°	-3.5	
26.3° <Θ < 48°	32-25 LogΘ	
48° <Θ < 180°	-10 Typical	
Cross Pol within 1dB contour	> 22 dB	> 22 dB
VSWR	1.3:1 (Max.)	

Ka-Band (R/O Circular)

	Receive
Frequency (GHz)	17.0 – 22.2
Feed Interface dual polarity	WR42

Cases

Reflector case:	133.0 x 37.0 x 91.5 cm (52.3" x 14.5" x 36"); 37.2 kg (82 lbs)
Reflector case empty:	20 kg (45 lbs)
AZ/EL case:	53.4 x 60.0 x 41.0 cm (21" x 23.6" x 16"); 37.0 kg (81.5 lbs)
AZ/EL case empty:	13 kg (28.5 lbs)
Tripod/feed case:	167.3 x 50.5 x 30.8 cm (65.8" x 19.8" x 12.1"); 37.0 kg (81.5 lbs)
Tripod/feed case empty:	19 kg (42 lbs)
4-10U Rack Mount case (Optional):	74 x 51 x 72 cm (29" x 20" x 28"); 32 kg (70 lbs)
4-10U Rack Mount case empty:	26 kg (58 lbs)

Shipping Weights & Dimensions

TBD

