1200Q Flyaway

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The new model of iNetVu 1.2m Flyaway Antenna System is a highly portable, self-pointing, auto-acquire unit that comes complete with the iNetVu 7024 controller and can be assembled in less than 15 minutes by one person. The antenna features a 2-piece segmented glass fibre reinforced reflector with compact pedestal and is designed to be value priced while providing exceptional performance in a light weight package.

- One button auto-pointing controller
- 3 Axis motion
- Airline transportable
- Supports manual control when required
- Captive hardware / fasteners
- 2-piece segmented glass fibre reinforced reflector
- Carbon fibre reflector available in 1 piece, 2 pieces & 4 pieces
- Supports Skyware 1.2m antenna
- No tools required for assembly / disassembly
- Less than 15 minutes assembly time, one person
- Elevation-over-azimuth pedestal provides excellent stiffness characteristics and conveniencefor the user
- Eutelsat / Intelsat compliant
- Compact packaging, 4 ruggedized shiping cases
- Minimal maintenance required

Application Versatility

The 1200Q 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 SATELLITE SYSTEMS INC.

www.c-comsat.com
(613) 745-4110 (877) 463-8886

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TECHNICAL SPECIFICATIONS

Mechanical

Antenna size	1.2 m
Reflector Material	Glass fibre reinforced polyester [1]
Optional	Carbon Fibre
Mount Geometry	Elevation over azimuth
Antenna optics	2-piece segmented, Offset feed prime focus
Optional	1-piece, 2-piece & 4-piece segmented
Offset angle	16.97°

Environmental

Wind loading	
Operational	
No ballast or anchors	48 km / h
With ballast or anchors	72 km / h
Survival (with ballast)	145 km / h
Solar radiation	360 BTU / h / sq. ft
Temperature	
Operational	-22° to 131° F (-30° to 55° C)
Survival	-40° to 149° F (-40° to 65° C)
Rain	
Operational	10 cm/h
Survival	15 cm/h

Electrical

Electrical interface	24 VDC 8A Max.
Rx & Tx cables	2 RG 6 cables (10m each)
Control cables	
Standard	10m ext. cable
Optional	upto 30m available

RF Interface

Radio mounting	Feed arm
Coaxial	RG6U F type (N type optional)

Mount Rotation

Azimuth	±180°
Elevation	5° to 90°
Polarization	±90°
Elevation deploy speed	Variable 6° / sec
Peaking speed	0.2° / sec

Packaging Cases

Case 1: 2-piece reflector, 130 x 29.5 x 75 cm; 33.5 kg
Case 2: Feed arm, 120.6 x 55.2 x 24.7 cm; 20.5 kg
Case 3: Tripod, 95 x 69 x 37 cm; 42 kg
Case 4: 6U rack mount with iNetVu 7024 controller; 32 kg

Ku-Band

Transmit Power	1 to 200 watt	
Polarization	Linear, Orthogonal	
	Receive	**Transmit**
Frequency (GHz)	10.70-12.75	13.75-14.50
Feed interface	WR75	WR75
Efficiency	70%	70%
Midband gain (± .2 dBi)	41.8 dBi	43.3 dBi
Antenna Noise Temp.		
10° Elevation	45° K	
30° Elevation	24° K	
Sidelobe better than		
	1.5° <Θ <20°	29 - 25 LogΘ dBi
	20° <Θ < 26.3°	-3.5 dBi
	26.3° <Θ < 48°	32 - 35 LogΘ dBi
	48° <Θ <180°	-10 dBi
Cross Polarization on axis	30 dB	35 dB
Within 1 dB beamwidth	30 dB	30 dB
VSWR	1.3:1	1.3:1
Tx/Rx isolation	>40 dB	90 dB
Feed	2port Xpol	

Warranty

Standard	2 years

Note: [1] *Antenna based on Skyware*, Model 125.

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