ACFLY-1200

TECHNICAL SPECIFICATIONS

The iNetVu® Airline Checkable Flyaway antenna system is a highly portable unit with a 6-piece carbon fibre reflector that can fit in a suitcase. It is configurable with the auto-pointing iNetVu® 7024B/C Controller, cables and another electronic device such as a modem or PowerSmart power supply that can be installed in the second case.

Buy Now!

Features

- 1.2m offset, prime focus, 6-piece carbon fibre reflector
- 3 Axis Motorization
- Two case solution, patent pending
- Supports manual control when required
- Airline checkable
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- Designed to work with the iNetVu® 7024B/C Controller
- Captive hardware / fasteners
- No tools required for assembly / disassembly
- Set-up time less than 10 minutes, one person job
- Leveling capability for uneven surfaces
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- 1 Year Standard Warranty

Application Versatility

The Airline Checkable Flyaway system is easily configured to provide instant access to satellite communications for any application that requires remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up; vertical markets such as Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services will benefit tremendously from the ACFLY's ease of deployment.

C-COM SATELLITE SYSTEMS INC.

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

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector	1.2m Offset Feed, carbon fibre
Mount Geometry	Elevation over Azimuth
Offset Angle	15°
Antenna Optics	Single Offset
Azimuth	± 180°
Elevation	5° - 90°
Polarization	± 95°
Elevation Deploy Speed	Variable 2° /sec typ.
Azimuth Deploy Speed	Variable 5° /sec typ.
Peaking Speed	0.1 /sec

Environmental

Wind loading	
Operational	
With Ballast / Anchors	50 km/h (31 mph)
Survival	145 km/h (90 mph)
Temperature	
Operational	-30° to 55° C (-22° to 131° F)
Survival	-40° to 65° C (-40° to 149° F)
Solar Radiation	360 BTU/h/sq. ft.
Rain	1.3cm/h (0.51 in/h)

Electrical

Rx & Tx Cables	2 RG6 Cables -10m (33 ft) each
Control Cables	
Standard	10m (33 ft) Ext. Cable
Optional	Up to 30m (100 ft) available

RF Interface

Radio Mounting	Back of Reflector
Axis Transition	Rigid + Twist-flex Guide
Waveguide	WR75 Cover Flange Interface
Coaxial	RG6U F Type

Motors

Electrical Interface	24VDC 5 Amp (Max.)

Cases

Case1: 6-piece antenna platform
48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs)
Case 2: 3U Rack mount including iNetVu® 7024 controller + feed + cables:
48.5 x 71 x 39 cm (19" x 28" x 15.3"), 32 kg (70 lbs)
Case 3: Optional 5U Rack mount (empty case)
48.5 x 71 x 39 cm (19" x 28" x 15.3"), 13.5 kg (30 lbs)

Ku-Band (Linear)

Transmit Power	1 to 200 watt	
Feed - 2 Port XPol		
	Receive	**Transmit**
Frequency (GHz)	10.70 - 12.75	13.75 - 14.50
Feed Interface	WR75	WR75
Efficiency	70%	70%
Midband Gain (± .2 dBi)	41.5	43.5
Antenna Noise Temp. (K)	10° EL= 45 / 30° EL= 24	
Sidelobe Envelope Co-Pol (dBi)		
1.5°<Θ<20°	29-25 Log Θ	
20°<Θ<26.3°	-3.5	
26.3°<Θ<48°	32-25 Log Θ	
48°<Θ	-10 Typical	
Cross-Polarization on Axis	>35 dB	
Within 1dB Beamwidth	>30 dB	
Return Loss	17.7 dB typ.	20dB typ.
Insertion Loss	0.3 dB typ.	0.1 dB typ.
Tx/Rx Isolation	40 dB	90 dB
VSWR	1.3:1	1.3:1

Shipping Weights & Dimensions

Platform Case: 74 cm × 43 cm × 51 cm (29" × 17" × 20"), 34 kg (75 lbs)
Controller Case: 74 cm × 43 cm × 51 cm (29" × 17" × 20"), 34 kg (75 lbs)
Optional 5U Rack Empty Case: 74 cm x 43 cm x 51cm (29" × 17" × 20"), 14.5 kg (32 lbs)

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