1500

TECHNICAL SPECIFICATIONS

The iNetVu® 1500 Drive-Away Antenna is a 1.5m auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for direct broadband access over any configured satellite. The system works seamlessly with the iNetVu® 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

One-Piece precision mold, offset feed, carbon fibre reflector

<u> CiNetVu</u>°

by C-COM Satellite Systems Inc.

- Heavy duty platform for up to 11kg (25 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7000C Controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing Controller acquires any Ku or C band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Standard 2 year warranty

Application Versatility

If you operate in Ku or C band, the 1500 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 Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.



WWW.C-COMSat.COM 613-745-4110 1-877-463-8886

Specifications are subject to change

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1.5m Carbon Fibre

Variable 2º/sec typ.

GPS antenna Compass ± 2° Tilt sensor ± 0.2°

0 - 75°

0.2º/sec

±90°

Parabolic Single Offset, 0.78 F/D (16.9° offset)

Full 360° in overlapping 200° sectors

Variable 15°/sec Max., 10°/sec typ.

Mechanical

Reflector Platform Geometry Deployment Sensors

Azimuth Elevation Polarization **Elevation Deploy Speed** Azimuth Deploy Speed Peaking Speed

Environmental

Survival Wind Deployed Wind Stowed Temperature Rain Operational Rain Wind Temperature **Relative Humidity** Solar Radiation Radial Ice (survival) Corrosive Atmosphere

112 km/h (70 mph) 225 km/h (140 mph) -40°C to 65°C (-40°F to 150°F) 15 cm/h (6 in/h)

10 cm/h (4 in/h) 72 km/h (45 mph) -30°C to 55°C (-22°F to 130°F) 0 - 100% 360 btu/h/ft2 (1000 Kcal/h/m) 2.54 cm (1") As encountered in coastal / industrial areas

2 RG6 cables - 9.1m (30 ft) each

up to 60 m (200 ft) available

Electrical

Tx & Rx cables **Control Cables** Standard Optional

RF Interface

Radio Mounting Axis Transition Waveguide Coaxial Feed VSWR

Physical

Mounting Plate Stowed Reflector Ext. Dims L: 189 cm (74.5") W:154 cm (60.5")

Deployed Height **Reflector Weight** Total Weight w/Reflector Feed Arm / Rear of Base / Inside Vehicle **Twist-Flex Waveguide** WR75 Cover Flange Interface RG6U from Feed Arm to Base 2 port Xpol 1:3:1 (Max.)

9.1m (30 ft) Ext. Cable with MIL Connectors

L: 132 cm (52") W: 56 cm (22")

H: 49 cm (19.25") 180 cm (71") 7.3 kg (16 lbs) 83.2 kg (183 lbs)

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Motors		
Electrical Interface	12VDC	15 Amp (Max.)
2 Port Cross Pol (Ku-Band)	Receive	Transmit
Standard Frequency (GHz) Midband Gain (± .2 dBi) Cross Pol: On Axis in 1 dB BW Sidelobe Compliances Isolation: Tx / Rx Rx / Tx Antenna Noise Temp. (°K)	10.70-12.75 43.70 -35 dB -28 dB Meets ITU 580, INTEL: -85 dB 0 dB input 10° EL= 65 / 20° El 1 50-1	13.75-14.50 45.00 SAT 0 dBm input -35 dB = 58 1 30-1
VJWI	1.50.1	1.50.1
2 Port C-Band (Linear)	Receive	Transmit
Standard Frequency (GHz) INSAT Frequency (GHz) Midband Gain (± .2 dBi) Cross Pol: On Axis (Std) On Axis (INSAT) in 1 dB BW Sidelobe Compliances Isolation: Tx / Rx (Std) Tx / Rx (INSAT) Bx / Tx	3.625-4.20 4.50-4.80 33.40 -30 dB -35 dB -26 dB IESS 601 Std G -60dB -70 dB 0 dBm input	5.850-6.425 6.725-7.025 37.20 -26 dB 0 dBm input
Antenna Noise Temp. (K) VSWR	10° EL= 45 / 20° EL= 1.50:1	40 1.30:1
2 Port C-Band (Circular)	Receive Tra	nsmit
Standard Frequency (GHz) Midband Gain (\pm .2 dBi) Sidelobe Envelope, Co-Pol (dBi) 2.8° < Ø < 20° 20° < Ø < 26.3° 26.3° < Ø < 48° 48° < Ø < 180°	3.625-4.20 33.30 29 - 25 Log Ø -3.5 32-25 Log Ø -10	5.85-6.425 37.10
Feed Interface Isolation (Port to Port) Antenna Noise Temp.(K)	CPR-229n -60dB 10°EL= 41 / 20°EL= 3	Type N or CPR- 137 -60dB 36
VSWR	1.50:1	1.30:1
Shipping Weights & Dime	nsions	

Crate: 213cm x 89cm x 84cm (84" x 35" x 33"), 64.5 kg (142 lbs) Platform: 75.9 kg (167 lbs); 7024C Controller: 6 kg (13 lbs) ; Cables: 5 kg (11 lbs) Reflector Crate: 168cm x 168cm x 48cm (66" x 66" x 19"), 115 kg (256 lbs) Total, Platform Crate and Reflector Crate, 2 – Pieces: 267kg (589 lbs)



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