

1200+

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 1200+ Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7715 Controller to ensure excellent pointing accuracy.



Field Upgradable to Ka-Band

Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Optional: Carbon Fiber Reflector
- Low stow height, high-precision
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes (<3 minutes with Beacon Receiver)
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Supports GD 1.2m antenna, Models 1132/3122
- Compliant with Eutelsat and Intelsat
- Available with pod option
- Standard 2 year warranty

Application Versatility

The 1200+ drive-away 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 applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.



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Specifications are subject to change

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester ⁽¹⁾
Optional Reflector	Carbon Fiber
Platform Geometry	Elevation over Azimuth
Offset Angle	17.35°
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200°
Elevation Look Angle	0° to 90°
Polarization Travel	± 95°
Elevation Deploy Speed	2°/sec
Azimuth Deploy Speed	6°/sec
Peaking Speed	0.2°/sec
Motor Voltage	24 VDC 10 Amp (Max.)

Environmental

Wind loading	
Operational	75 km/h (46.5 mph)
Survival	
Deployed	112 km/h (70 mph)
Stowed	225 km/h (140 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	1.3 cm/h (0.51 in/h)
Humidity	0-100% (condensing)
Thermal Test per MIL-STD-810H, Methods 501.7/502.7 High/Low Temperatures	
Vibration Test per MIL-STD-810H, Method 514.8 Procedure I, Category 4, Truck/Trailer/Tracked	
Shock Test per IEC 60068-2-27 Edition 4.0	
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2	

Electrical

Rx & Tx Cables	2 RG6 Cables - 10 m (33 ft) each
Control Cables	
Standard	10 m (33 ft) Extension Cable
Optional	Up to 60 m (200 ft) available

RF Interface

Radio Mounting	Feed arm/Inside vehicle
Coaxial	RG6U F Type
	N Type (optional)
Axis transition	Twist-Flex Waveguide

Physical

Stowed dimensions	L: 204.4 cm (80.5") W: 124 cm (48.8")
	H: 41.2 cm (16.2")
Reflector Weight	16 kg (35.2 lbs)
(including back cover)	
(Optional) Carbon Reflector Weight	7.9 kg (17.4 lbs)
Total Platform Weight with SMC	100 kg (220 lbs)
Total Platform Weight with Carbon	92 kg (203 lbs)

Ku (Linear) / X (Circular)

Max BUC Size & Weight	17.5" x 15.5" x 6.75"	15kg
Feed	2 Port XPol	
	Ku-band (Linear)	X-band (Circular)
Transmit Power	1 to 200 Watt	1 to 40 Watt
Receive Frequency (GHz)	10.70 - 12.75 ⁽²⁾	7.25 - 7.75
(Optional)	10.70 - 11.70	
Transmit Frequency (GHz)	13.75 - 14.80	7.90 - 8.40
(Optional)	12.75 - 14.50	
Midband Gain(±0.2 dB)		
(Rx)	41.50	37.40
(Tx)	43.00	38.10
Antenna Noise Temp. (K)	20° EL=46 / 30° EL=43	20° EL=51.6
Sidelobe Envelope, Co-Pol (dBi)		
1° < Ø < 20°	29 - 25 Log Ø	DSCS Req.
20° < Ø < 26.3°	-3.5	
26.3° < Ø < 48°	32 - 25 Log Ø	
48° < Ø < 180°	-10 (averaged)	
Cross-Polarization		
Within 1 dB contour	-30 dB (Max.)	
Any angle off axis	-25 dB (Max.)	
VSWR	1.3:1 (Max.)	1.25:1 (Max.)

Shipping Weights & Dimensions*

Platform Crated: 211 cm x 66 cm x 64 cm (83"x 26"x 25"), 140 kg (308 lbs)
Reflector Crated: 142 cm x 15 cm x 130 cm (56"x 6"x 51"), 22 kg (48 lbs)
Carbon Reflector Crated: 142 cm x 15 cm x 130 cm (56"x 6"x 51"), 14kg (30lbs)
Total Weight: 162 kg (356 lbs)
Total Weight with Carbon Reflector: 154kg (339 lbs)

Transportable Case Options:

Platform: 211 cm x 65 cm x 45 cm (83" x 25.75" x 17.75"), 132 kg (290 lbs)
Reflector: 1- piece (SMC Reflector):
127 cm x 122 cm x 20 cm (50" x 48" x 8"), 45.5 kg (100 lbs)
Reflector: 1-piece (Carbon Reflector):
127 cm x 122 cm x 20 cm (50" x 48" x 8"), 37.6 kg (83 lbs)

*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

- (1) Antenna based on GD, Models 1132/3122
- (2) LNB PLL Type required with stability better than ± 25 KHz

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