

# 1200+ CR



## 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, 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
- Compliant with Eutelsat and Intelsat
- 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.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)  
[www.c-comsat.com](http://www.c-comsat.com)

Specifications are subject to change

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Jul 2024

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# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

### Mechanical

Reflector Size & Material	1.2m 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-810F, Method 501.4, High/Low Temperatures  
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked  
Shock Test per IEC 60068-2-27  
Dust and Water Ingress per IEC 60529, IP65

### Electrical

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

### RF Interface

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

#### Notes:

(1) LNB PLL Type required with stability better than  $\pm 25$  KHz

### Physical

Stowed dimensions	L: 204.4 cm (80.5")	W: 124 cm (48.8")
	H: 41.2 cm (16.2")	
Platform Weight	83.4 kg (184 lbs)	
Reflector Weight	7.9 kg (17.4 lbs)	

### Ku (Linear) / X (Circular)

Max BUC Size & Weight	17.5" x 15.5" x 6.75"	15kg
Feed	2 Port XPol	
	<b>Ku-band (Linear)</b>	<b>X-band (Circular)</b>
Transmit Power	1 to 200 Watt	1 to 40 Watt
Receive Frequency (GHz)	10.70 - 12.75 <sup>(1)</sup>	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"), 14 kg (31 lbs)  
Total Weight: 154 kg (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:  
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



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