

# 1201

# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu® 1201 Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7024C Controller to ensure excellent pointing accuracy.



### Features

- 1.2m Offset, prime focus, thermoset-molded reflector with back cover
- Low stow height
- Sleek aerodynamic form, patent pending
- Designed to work with the iNetVu® 7024C Controller
- Supports hand cranks
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- 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 Skyware 1.2m antenna, Type 125
- Wind deflector pod (optional)
- 2-piece thermoset-molded reflector (optional)
- Eutelsat and Intelsat compliant
- Standard 2 year warranty

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### Application Versatility

The 1201 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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### Mechanical

Reflector Size & Material	1.2m Glass fibre reinforced polyester <sup>(1)</sup>
Platform Geometry	Elevation over Azimuth
Offset Angle	16.97°
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 180°
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	100 km/h (62 mph)
Stowed	150 km/h (93 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)

### 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

### Physical

Stowed dimensions (without pod)	L: 203 cm (79.9") H: 34 cm (13.4")	W: 124 cm (48.8")
Stowed Dimensions (with pod)	L: 225 cm (88.5") H: 34 cm (13.4")	W: 135 cm (53.2")
Reflector Weight (including back cover)	16 kg (35.2 lbs)	
Total Platform Weight (without pod)	82 kg (180 lbs)	
Total Platform Weight (with pod)	88 kg (193 lbs)	

### Ku (Linear)

Transmit Power <sup>(2)</sup>	1 to 200 watt	
Feed	2 Port XPol	
	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	10.70 - 12.75	13.75 - 14.50
Feed Interface	WR75	WR75
Midband Gain Co-Pol (± 0.2dBi)	41.80	43.30
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 < 180°	-10 (Typical)	
Cross-Polarization on Axis	> 35 dB	
Within 1dB Beamwidth	> 30 dB	
Tx/Rx Isolation	> 40 dB	90 dB
VSWR	1.3:1	1.3:1

### Shipping Weights & Dimensions

Platform Crated: 211 cm × 41 cm × 61 cm (83" × 16" × 24"), 121 kg (267 lbs)  
Reflector Crate: 142 cm × 15 cm × 130 cm (56" × 6" × 51"), 22 kg (48 lbs)  
Pod: 160 cm × 15 cm × 140 cm (63" × 6" × 55"), 12kg (27 lbs)

Total Weight without pod: 143 kg (315 lbs)  
Total Weight with pod: 155 kg (342 lbs)

#### Transportable Case Options:

Platform: 211 cm × 65 cm × 45 cm (83" × 25.75" × 17.25") 132 kg (290 lbs)  
Reflector: 1- piece:  
127 cm × 122 cm × 20 cm (50" × 48" × 8"), 45.5 kg (100 lbs)  
Reflector: 2- piece: (Optional)  
132 cm × 31 cm × 76 cm (52" × 12" × 30"), 34 kg (74 lbs)

#### Note:

<sup>(1)</sup>Antenna based on Skyware, Model 125

<sup>(2)</sup> Depending on size and weight for feed arm mounting limitation