1201 Drive-Away

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The NEW iNetVu 1201 Drive-Away antenna system is a rugged, simple to operate auto-deploy VSAT terminal 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 with sophisticated integral sensor and control systems to ensure excellent pointing accuracy.

- 1.2m SMC reflector
- Low stow height
- Sleek aerodynamic form
- 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

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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TECHNICAL SPECIFICATIONS

Mechanical

Reflector Size & Material	1.2 m Glass fibre reinforced polyester [1]
Mount Geometry	Elevation over Azimuth
Offset Angle	16.97°
Antenna Optics	One-piece offset feed, prime focus

Environmental

Wind loading	
Operational	75 km/h
Survival	
Deployed	100 km/h
Stowed	150 km/h
Temperature	
Operational	-30° to 55° C
Survival	-40° to 65° C
Solar Radiation	360 BTU/h/sq. ft.
Rain	1.3 cm/h
Humidity	0-100% (condensing)

Electrical

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

Mechanical

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.)

Warranty

Standard	2 years

RF Interface

Radio Mounting	Feed arm/Inside vehicle
Coaxial	RG6U F Type
	N Type (optional)

Physical

Stowed dimensions (without reflector pod)	L: 203 cm W: 124 cm H: 34 cm
Stowed Dimensions (with reflector pod)	L: 225 cm W: 135 cm H: 34 cm
Reflector Weight (including back cover)	16 kg
Total Platform Weight (without reflector pod)	70 kg
Total Platform Weight (with reflector pod)	TBD

Ku-Band (Linear)

Transmit Power	1 to 200 watt
Transmit (Tx) Frequency	13.75 - 14.50 GHz
Receive (Rx) Frequency	10.70 - 12.75 GHz
Feed	2Port XPol

	Receive	**Transmit**
Feed Interface	WR75	WR75
Midband Gain (± 0.2dBi)	41.8 dBi	43.3 dBi
Antenna Noise Temp.		
10° Elevation	45°K	
30° Elevation	24°K	
Sidelobe better than	1.5°<Θ<20°	29-25 Log Θ dBi
	20°<Θ<26.3°	-3.5 dBi
	26.3°<Θ<48°	32-25 Log Θ dBi
	48°<Θ<180°	-10 dBi (Typical)
Cross-Polarization on Axis	30 dB	35 dB
Within 1dB Beamwidth	30 dB	30 dB
Tx/Rx Isolation	> 40 dB	90 dB
VSWR	1.3:1	1.3:1

Note: *[1]Antenna based on Skyware, Model 125*

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