

# 1200

# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu® 1200 Drive-Away Antenna is a 1.2m 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® 7000B/C Controller providing fast satellite acquisition within minutes, anytime anywhere.



### Features

- One-Piece offset feed, prime focus, SMC reflector with a back cover
- Heavy duty mount for up to 11kg (25 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7000B/C 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-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Prodelin 1.2m antenna, Model 1132/1134
- Standard 2 year warranty

### Application Versatility

If you operate in Ku-band, the 1200 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.

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Specifications are subject to change

October 2012

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### Mechanical

Reflector	1.2m Prime Focus, Offset Feed, SMC <sup>(1)</sup>
Mount Geometry	Elevation Over Azimuth
Deployment Sensors	GPS antenna Compass ± 2° Tilt sensor ± 0.1°
Azimuth	Full 360° in overlapping 200° sectors
Elevation	0 - 78° <sup>(2)</sup>
Polarization	±90°
Elevation Deploy Speed	Variable 2°/sec typ.
Azimuth Deploy Speed	Variable 15°/sec Max., 10°/sec typ.
Peaking Speed	0.2°/sec

### Electrical

Rx & Tx cable	2 RG6 cables - 9.1m (30 ft) each	
Control cables	9.1 m (30 ft) Ext. Cable with MIL Connectors	
Standard:	up to 60 m (200 ft) available	
Optional:		
Transmit Power <sup>(3)</sup>	<b>Ku-band (Linear)</b>	<b>X-band (Circular)</b>
Receive Frequency (GHz)	1 to 200 Watt	1 to 40 Watt
Transmit Frequency (GHz)	10.95 - 12.75	7.25-7.75
Midband Gain(±0.2 dB)	13.75 - 14.50	7.90-8.40
(Rx)	41.50	37.40
(Tx)	43.00	38.10
Antenna Noise Temp. (K)	20° EL=46 / 20° EL=51.6 / 30° EL=43	
Sidelobe Envelope, Co-Pol (dBi)	29 - 25 Log Ø DSCS Req.	
1° < Ø < 20°	- 3.5	
20° < Ø < 26.3°	32 - 25 Log Ø	
26.3° < Ø < 48°	- 10 (averaged)	
48° < Ø < 180°		
Cross-Polarization	-30 dB (Max.)	
Within 1 dB contour	-25 dB (Max.)	
Any angle off axis	1.3:1 (Max.)	
VSWR	1.25:1 (Max.)	

### Environmental

Survival		
Wind Deployed	112 km/h	(70 mph)
Wind Stowed	225 km/h	(140 mph)
Temperature	-40°C to 65°C	(-40°F to 150°F)
Operational		
Wind	72 km/h	(45 mph)
Temperature	-32°C to 55°C	(-26°F to 130°F)

### Physical

Mounting Plate	L: 132 cm (52")	W: 56 cm (22")
Stowed Dish Ext. Dims	L: 177 cm (69.75")	W: 123 cm (48.6")
	H: 49 cm (19.25")	
Max. Deployed Height	168 cm (66")	
Reflector Weight	15.9 kg (35 lbs)	
Total Weight w/Reflector	92.5 kg (204 lbs)	

### RF Interface

Radio Mounting	Feed Arm / Rear of Base / Inside Vehicle
Axis Transition	Twist-Flex Waveguide
Waveguide	WR75 Cover Flange Interface
Coaxial	RG6U from Feed Arm to Base
Feed	2 port Xpol

### Motors

Electrical Interface	12VDC	15 Amp (Max.)
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### Shipping Weights & Dimensions

Mount Crate: 168 cm × 89 cm × 77 cm (66" × 35" × 30"), 136 kg (300 lbs)  
Dish Box: 145 cm × 15 cm × 130 cm (57" × 6" × 51"), 22 kg (48 lbs)  
Total, Mount Crate and Dish Box, 2 - Pieces: 158 kg (348 lbs)

One Piece Transportable Case: (Optional)  
219 cm × 143 cm × 84 cm (86" × 56" × 33"), Appr. 164 kg (360 lbs)  
2-Piece Transportable Cases: (Optional)  
Mount: 216 cm × 66 cm × 66 cm (85" × 26" × 26"), 195 kg (430 lbs)  
Dish: 133cm × 26cm × 147cm (52" × 10" × 58"), 50 kg (109 lbs)

Total Weight: 244 kg (537 lbs)

#### Notes:

<sup>(1)</sup> Antenna based on Prodelin, Model 1132 / 1134

<sup>(2)</sup> Adjustable at the time of order to support higher elevation angle (Optional)

<sup>(3)</sup> Depending on size and weight for feed arm mounting limitation

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