1200

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 Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu[®] 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

- One-Piece offset feed, prime focus, SMC reflector with a back cover
- Heavy duty platform for up to 11kg (25 lbs) RF Electronics (LNB & BUC)

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- Designed to work with the iNetVu® 7000C 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.



613-745-4110 | 1-877-463-8886 (1-877-iNetVu6) www.c-comsat.com

Specifications are subject to change

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector Platform Geometry **Deployment Sensors**

Azimuth Elevation Polarization **Elevation Deploy Speed** Azimuth Deploy Speed Peaking Speed

Electrical

Rx & Tx cable Control cables Standard: Optional:

2 RG6 cables - 9.1m (30 ft) each

9.1 m (30 ft) Ext. Cable with MIL Connectors up to 60 m (200 ft) available

1.2m Prime Focus, Offset Feed, SMC⁽¹⁾

Full 360° in overlapping 200° sectors

Variable 15°/sec Max., 10°/sec typ.

Elevation Over Azimuth

GPS antenna

Compass ± 2°

0 - 78°⁽²⁾

0.2º/sec

±90°

Tilt sensor ± 0.1°

Variable 2°/sec typ.

	Ku-band (Linear)	X-band (Circular)
Transmit Power ⁽³⁾	1 to 200 Watt	1 to 40 Watt
Receive Frequency (GHz)	10.70 - 12.75 ⁽⁴⁾	7.25 - 7.75
(Optional)	10.70 - 11.45	
Transmit Frequency (GHz)	13.75 - 14.80	7.90 - 8.40
(Optional)	12.75 - 14.80	
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.)

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)

Thermal Test per MIL-STD-810F, Method 501.4, Low Temperatures

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Physical Mounting Plate

Stowed Reflector Ext. Dims Deployed Height **Reflector Weight** Total Weight w/Reflector

L: 132 cm (52") W: 56 cm (22") L: 177 cm (69.75") W: 123 cm (48.6") H: 49 cm (19.25")⁽⁵⁾ 168 cm (66") 15.9 kg (35 lbs) 92.5 kg (204 lbs)

Feed Arm / Rear of Base / Inside Vehicle

15 Amp (Max.)

Twist-Flex Wavequide

2 port Xpol

WR75 Cover Flange Interface

RG6U from Feed Arm to Base

RF Interface

Radio Mounting Axis Transition Waveguide Coaxial Feed

Electrical Interface

Motors

Shipping Weights & Dimensions*

Platform Crate: 168 cm x 89 cm x 77 cm (66" x 35" x 30"), 59.5 kg (131 lbs) Platform: 76.5 kg (168 lbs) 7000C Controller: 6 kg (13 lbs) Cables: 5 kg (11 lbs) Reflector Crate: 145 cm x 15 cm x 130 cm (57" x 6" x 51"), 22 kg (48 lbs) Total Weight: 169 kg (371 lbs)

12VDC

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- 1-Piece Transportable Case: (Optional) 219 cm x 143 cm x 84 cm (86" x 56" x 33"), Appr. 164 kg (362 lbs)
- 2-Piece Plastic Transportable Cases: (Optional) Platform: 178 cm x 69 cm x 74 cm (70" x 27" x 29"), 149 kg (328 lbs) Reflector: 132cm x 25cm x 147cm (52" x 10" x 58"), 49 kg (109 lbs) Total Weight: 198 kg (437 lbs)
- 2-Piece Metallic Transportable Cases: (Optional) Platform: 178 cm x 76 cm x 74 cm (70" x30" x 29"), 161.5 kg (356 lbs) Reflector: 132cm x 25cm x 147cm (52" x 10" x 58"), 50 kg (110 lbs) Total Weight: 211.5 kg (466 lbs)

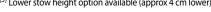
* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

Notes:

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

- ⁽²⁾ Adjustable at the time of order to support higher elevation angle (Optional)
- ⁽³⁾ Depending on size and weight for feed arm mounting limitation $^{(4)}$ LNB PLL Type required with stability better than \pm 25 KHz

⁽⁵⁾ Lower stow height option available (approx 4 cm lower)





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