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® 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)
- 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.

C-COM SATELLITE SYSTEMS INC.

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

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector	1.2m Prime Focus, Offset Feed, SMC [1]
Platform Geometry	Elevation Over Azimuth
Deployment Sensors	GPS antenna
	Compass ± 2°
	Tilt sensor ± 0.1°
Azimuth	Full 360° in overlapping 200° sectors
Elevation	0 - 78° [2]
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	
Standard:	9.1 m (30 ft) Ext. Cable with MIL Connectors
Optional:	up to 60 m (200 ft) available

	Ku-band (Linear)	X-band (Circular)
Transmit Power [3]	1 to 200 Watt	1 to 40 Watt
Receive Frequency (GHz)	10.95 - 12.75 [4]	7.25 - 7.75
Transmit Frequency (GHz)	13.75 - 14.50	7.90 - 8.40
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)

Physical

Mounting Plate	L: 132 cm (52")	W: 56 cm (22")
Stowed Reflector Ext. Dims	L: 177 cm (69.75")	W: 123 cm (48.6")
	H: 49 cm (19.25")	
D eployed 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.)

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) 7024C 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)

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 ± 25 KHz

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