

# 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.

**C-COM**  
SATELLITE SYSTEMS INC.

[www.c-comsat.com](http://www.c-comsat.com)  
613-745-4110 | 877-463-8886

Specifications are subject to change

July 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<br>Compass ± 2°<br>Tilt sensor ± 0.1° |
| Azimuth                | Full 360° in overlapping 200° sectors             |
| Elevation              | 0 - 75° <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:                       |  |                          |
|                                 | <b>Ku-band (Linear)</b>                      | <b>X-band (Circular)</b> |
| Transmit Power <sup>(3)</sup>   | 1 to 200 Watt                                | 1 to 40 Watt             |
| Receive Frequency (GHz)         | 10.95 - 12.75                                | 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 / 20° EL=51.6 / 30° EL=43          |                          |
| 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 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.) |
|----------------------|-------|---------------|

### 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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