

# 980-REM



## TECHNICAL SPECIFICATIONS

The iNetVu® 980-REM Drive-Away Antenna is a 98 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle or in a transportable case for Broadband Internet Access over any configured satellite. The system works seamlessly with the iNetVu® 7000C Controller & Hughes Rembrandt 2Watt Transceiver providing fast satellite acquisition within minutes, anytime anywhere.



### Features

- One-Piece offset feed, prime focus, SMC reflector with back cover
- Heavy duty platform designed for Hughes Rembrandt 2W Transceiver
- Designed to work with the iNetVu® 7000C controller
- Works seamlessly with the Hughes Ku 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 98 cm antenna, Model 1984 & 1985
- Standard 2 year warranty

### Application Versatility

If you operate in Ku-band, the 980 Hughes Rembrandt 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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# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

### Mechanical

|                        |   |
|------------------------|---|
| Reflector              | 98 cm Prime focus, offset feed <sup>(1)</sup> |
| Platform Geometry      | Elevation over Azimuth                        |
| Polarization           | Reflector rotation cross-pol isolation        |
|                        | GPS antenna                                   |
| Deployment Sensors     | Compass ± 2°                                  |
|                        | Tilt sensor ± 0.2°                            |
| Azimuth                | Full 360° in overlapping 200° sectors         |
| Elevation              | 0 - 65°                                       |
| Polarization           | ±70°  |
| Elevation Deploy Speed | Variable 5°/sec typ.                          |
| Azimuth Deploy Speed   | Variable 15°/sec Max., 10°/sec typ.           |
| Peaking Speed          | 0.2°/sec                                      |

### Environmental

|               |               |                  |
|---------------|---------------|------------------|
| Survival      |               |                  |
| Wind Deployed | 160 km/h      | (100 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   | -30°C to 55°C | (-22°F to 130°F) |

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

### Electrical

|                                 |                                   |                 |
|---------------------------------|-----------------------------------|-----------------|
| Rx & Tx cable                   | 2 RG6 cables - 9.1 m (30 ft) each |                 |
| Control cables:                 |                                   |                 |
| Standard                        | 9.1 m (30 ft) Ext. Cable          |                 |
| Optional                        | up to 60 m (200 ft) available     |                 |
| Transmit Power <sup>(2)</sup>   | 1 to 200 Watt (Ku-band)           |                 |
|                                 | <b>Receive</b>                    | <b>Transmit</b> |
| Frequency, Ku-band (GHz)        | 10.95-12.75 <sup>(3)</sup>        | 13.75-14.50     |
| Midband Gain (±0.2 dB)          | 39.80                             | 41.30           |
| Sidelobe Envelope, Co-Pol (dBi) |                                   |                 |
| 100λ / D < Ø < 20°              | 29 - 25 Log Ø                     |                 |
| 20° < Ø < 26.3°                 | -3.5                              |                 |
| 26.3° < Ø < 48°                 | 32 - 35 Log Ø                     |                 |
| 48° < Ø < 180°                  | -10 (averaged)                    |                 |
| Cross-Polarization              |                                   |                 |
| Within B.P.E.                   | -30 dB (Max.)                     |                 |
| Any Angle off Axis              | -25 dB (Max.)                     |                 |
| VSWR                            | 1.3:1 (Max.)                      |                 |

### RF Interface

|                        |  |
|------------------------|--|
| Radio Mounting         | Feed Arm / Rear of Base / Inside Vehicle   |
| Axis Transition        | Twist-Flex Waveguide                       |
| Waveguide              | WR75 Cover Flange Interface                |
| Coaxial                | RG6U from Feedhorn to Base Connector       |
| European/Eutelsat Feed | Prodelin Model 1985 Based (2 Port - X Pol) |
| Standard Feed          | Prodelin Model 1984 Based (2 Port - X Pol) |

### Physical

|                            |                   |  |
|----------------------------|-------------------|--|
| Mounting Plate             | L: 127 cm (50")   |  |
|                            | W: 46 cm (18")    |  |
| Stowed Reflector Ext. Dims | L: 155 cm (64")   |  |
|                            | W: 100 cm (39.5") |  |
|                            | H: 46 cm (20.5")  |  |
| Deployed Height            | 132 cm (52")      |  |
| Reflector Assembly Weight  | 13.7 kg (30 lbs)  |  |
| Platform Weight            | 52.2 kg (115 lbs) |  |
| Total Weight               | 65.8 kg (145 lbs) |  |

### Motors

|                      |       |               |
|----------------------|-------|---------------|
| Electrical Interface | 12VDC | 15 Amp (Max.) |
|----------------------|-------|---------------|

### Shipping Weights & Dimensions\*

Empty Crate: 163 cm x 107 cm x 72 cm (64" x 42" x 28"), 54 kg (119 lbs)  
Platform: 65 kg (143 lbs)  
7024C Controller: 6 kg (13 lbs)  
Cables: 5 kg (11 lbs)

Total Weight: 130 kg (286 lbs)

Transportable Case includes Platform: (Optional)  
172 cm x 111 cm x 74 cm (68" x 44" x 29"), 160 kg (353 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 1984. Eutelsat Feed, Model 1985 is also available as an option
- (2) Depending on size and weight for feed arm mounting limitation
- (3) LNB PLL Type required with stability better than ± 25 KHz

Request A Quote

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SATELLITE SYSTEMS INC.