

980

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 980 Drive-Away Antenna is a 98 cm 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 back cover
- Heavy duty mount for up to 5kg (10 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 98 cm antenna, Model 1984 & 1985
- Standard 2 year warranty

Application Versatility

If you operate in Ku-band, the 980 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.

www.iNetVu.com

C-COM
SATELLITE SYSTEMS INC.

Specifications are subject to change

October 2012

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Mechanical

| | |
|------------------------|---|
| Reflector | 98 cm Prime focus, offset feed ⁽¹⁾ |
| Mount Geometry | Elevation over Azimuth |
| Polarization | Dish rotation cross-polarization 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) |

Electrical

| | | |
|---------------------------------|----------------------------------|-----------------|
| Rx & Tx cable | 2 RG6 cables - 9.1m (30 ft) each | |
| Control cables: | | |
| Standard | 9.1m (30 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| Transmit Power ⁽²⁾ | 1 to 200 Watt (Ku-band) | |
| | Receive | Transmit |
| Frequency, Ku-band (GHz) | 10.95-2.75 | 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.) ⁽³⁾ | |
| 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 Dish Ext. Dims | L: 155 cm (61") W: 100 cm (39.5") H: 46 cm (18.3") |
| Max. Deployed Height | 132 cm (52") |
| Reflector Assembly Weight | 13.7 kg (30 lbs) |
| Base Weight | 51.3 kg (113 lbs) |
| Total Weight | 65 kg (143 lbs) |

Motors

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

Shipping Weights & Dimensions

| | |
|--------------------------------|---|
| Crate: | 163 cm × 107 cm × 72 cm (64" × 42" × 28"), 130 kg (285 lbs) |
| Transportable case: (Optional) | 172 cm × 111 cm × 74 cm (68" × 44" × 29"), 160 kg (351 lbs) |

Note:

⁽¹⁾ Antenna based on Prodelin, Model 1984. Eutelsat Feed, Model1985 is also available as an option.

⁽²⁾ Depending on size and weight for feed arm mounting limitation.

⁽³⁾ Systems are configured with Cross-Pol as standard, Co-Pol is optional.

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