

750

iNetVu®

by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® 750 Drive-Away Antenna is a 75 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® 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.



Features

- One-Piece precision offset, thermoset-molded reflector
- Heavy duty platform for up to 5kg (10 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 Skyware Global 75 cm antenna, Type 755
- Standard 2 year warranty



Application Versatility

If you operate in Ku-band, the 750 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.c-comsat.com
613-745-4110 | 1-877-463-8886

C-COM
SATELLITE SYSTEMS INC.

Specifications are subject to change

Oct. 2013

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TECHNICAL SPECIFICATIONS

Mechanical

| | |
|------------------------|---|
| Reflector | 75 cm Elliptical Antenna ⁽¹⁾ |
| 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 |
| VSWR | 1.3:1 Max. |

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: | 9.1 m (30 ft) Ext. Cable | |
| Optional: | up to 60 m (200 ft) available | |
| Transmit Power ⁽²⁾ | 1 to 200 Watt (Ku-band) | |
| Ku-Band | Receive | Transmit |
| Frequency (GHz) | 10.70 - 12.75 | 13.75 - 14.50 |
| Midband Gain (± 0.2 dBi) | 37.80 @ 11.95 GHz | 39.30 @ 14.25 GHz |
| Antenna Noise Temp. (K) | 30° EL= 50 | |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 1.8° < 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 on Axis | -30 dB | |
| VSWR | 1.3:1 | |

Note: ⁽¹⁾ Antenna based on Skyware, Model 755

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

RF Interface

| | |
|----------------|--------------------------------------|
| Radio Mounting | Feed Arm |
| Waveguide | WR75 Rigid + Flex |
| Coaxial | RG6U from Feedhorn to base Connector |
| Feed | 2 ports |

Physical

| | | |
|----------------------------|------------|-----------|
| Mounting Plate | L: 127 cm | (50") |
| | W: 45.7 cm | (18") |
| Stowed Reflector Ext. Dims | L: 104 cm | (41") |
| | W: 92.7 cm | (36.5") |
| | H: 46.3 cm | (18.25") |
| Deployed Height | 116 cm | (45.5") |
| Platform Weight | 60 kg | (132 lbs) |

Motors

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

Shipping Weights & Dimensions

Crate: 163 cm x 107 cm x 72 cm (64" x 42" x 28"), 43 kg (94lbs)
 Platform: 60 kg (132 lbs)
 7024C Controller: 6 kg (13 lbs)
 Cables: 5 kg (11lbs)

Transportable Case includes Platform: (Optional)
 157 cm x 110 cm x 46 cm (62" x 43" x 18"), 110 kg (240 lbs)



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