# Ka-98H

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® Ka-98H 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® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.


## Features

- One-Piece high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10 lbs) RF Electronics (LNB & BUC) or transceiver
- Designed to work with the iNetVu® 7024C Controller
- Works seamlessly with the world's most popular commercially available Ka modems and services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports Skyware Global 98 cm Ka antenna
- Works with HNS Spaceway (NA), YAHSAT (MENA) and Avanti (Europe)
- Standard 2 year warranty

BUY NOW

## Application Versatility

If you operate in Ka-band, the Ka-98H 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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C-COM SATELLITE SYSTEMS INC.

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## Mechanical

| | |
|---|---|
| Reflector | 98 cm Elliptical Antenna, Offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna |
| | Compass ± 2º |
| | Tilt sensor ± 0.1 |
| Azimuth | Full 360º in overlapping 200º sectors |
| Elevation | 0 - 90º |
| Elevation Deploy Speed | Variable 2º/sec typ. |
| Azimuth Deploy Speed | Variable 15º/sec Max.,10º/sec typ. |
| Peaking Speed | 0.1º/sec |

## Environmental

| | |
|---|---|
| Survival | |
| Wind Deployed | 160 km/h (100 mph) |
| Wind Stowed | 225 km/h (140 mph) |
| Temperature | -40ºC to 65ºC (-40°F to 150°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30ºC to 55ºC (-22°F to 130°F) |

## Electrical

| | | |
|---|---|---|
| Rx & Tx Cables | 2 RG6 cables - 10 m (33 ft) each | |
| Control Cables | | |
| Standard | 10 m (33 ft) Ext. Cable | |
| Optional | up to 60 m (200 ft) available | |
| | **Receive** | **Transmit** |
| Frequency (GHz) | 19.20 - 20.20 | 29.50 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Midband Gain (± 0.2 dBi) | 43.50 @19.75 GHz | 46.60 @29.75GHz |
| Antenna Noise Temp. (K) | 30º EL= 62 Max. | |
| Sidelobe Envelope, Co-Pol (dBi) | | |
| 100λ / D < Ø < 20º | 29 - 25 Log Ø | |
| 20º < Ø < 26.3º | -3.5 | |
| 26.3º < Ø < 48º | 32-25 Log Ø | |
| 48º < Ø < 180º | -10 (typical) | |
| Cross-Polarization | > -24 dB | > -22 dB |
| VSWR | 1.3:1 | |

## RF Interface

| | |
|---|---|
| Radio Mounting | Feed Arm |
| Coaxial | RG6U from Transceiver to Base |
| | Connector |

## Physical

| | | |
|---|---|---|
| Mounting Plate | L: 161 cm | (63.5") |
| | W: 45 cm | (17.7") |
| Stowed Reflector Ext. Dims | L: 174.8 cm | (68.8") |
| | W: 100 cm | (39.5") |
| | H: 29 cm | (11.5") |
| Max. Deployed Height | 151 cm | (59.5") |
| Weight | 54 kg | (119 lbs) |

## Motors

| | | |
|---|---|---|
| Electrical Interface | 24VDC | 8 Amp (Max.) |

## Shipping Weights & Dimensions

Crate: 183 cm x 109 cm x 66 cm (72" × 43" × 26"), 52 kg (115 lbs)
Platform: 54 kg (119 lbs)
7024C Controller: 6 kg (13 lbs)
Cables: 5 kg (11 lbs)

Total weight: 117 kg (258 lbs)

Transportable Case Option:
Base Case: 183 cm x 109 cm x 47 cm (72" x 43" x 18.5"), 133.5 kg (294 lbs)