# Ka-75V-KASAT

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® Ka-75V-KASAT Drive-Away Antenna is a 75 cm auto-acquire satellite antenna system which can be mounted on the roof of a vehicle for Broadband Internet Access over KA-SAT Tooway services. The system works seamlessly with the iNetVu® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.

**"Authorized for use on KA-SAT NEWSSPOTTER NEWSGATHERING service by Eutelsat"**


## Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm now supports both type of Transceivers: Standard Tria and new eTRIA
- Designed to work with the iNetVu® 7024C Controller
- Works seamlessly with the world's emerging commercial KA-SAT satellite Surfbeam II/PRO Auto-acquire modems
- Auto beam select on KA-SAT Tooway services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires Ka-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Skyware Global 75 cm Ka antenna
- Standard 2 year warranty

eutelsat
type approved
for Broadband Services

click here to
REQUEST A QUOTE!

## Application Versatility

If you operate in Ka-band, the Ka-75V-KASAT 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. This next generation mobile Ka terminal delivers affordable broadband Internet services (High-speed access, Video & Voice over IP, file transfer, e-mail or web browsing). Ideally suited for industries such as Oil & Gas Exploration, Military Communications, Disaster Management, SNG, Emergency Communications Backup, Cellular Backhaul and many others.

Digisat International, Inc.

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## Mechanical

| | |
|---|---|
| Reflector | 75cm Elliptical Antenna, offset feed |
| Platform Geometry | Elevation over Azimuth |
| Deployment Sensors | GPS antenna |
| | Compass ± 2º |
| | Tilt sensor ± 0.1º |
| Azimuth | Full 360º in overlapping 200º sectors |
| Elevation | 0 - 90º |
| Polarization | Circular, Auto-switching |
| Elevation Deploy Speed | Variable, 10º/sec typ. |
| Azimuth Deploy Speed | Variable, 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) |

Thermal Test per MIL-STD-810F, Method 501.4/502.4, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27, Appendix A,Water Ingress per IP-66

## Electrical

| | |
|---|---|
| Rx & Tx Cable | 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) | 18.30 - 20.20 | 28.10 - 30.00 |
| Feed Interface (Circular) | RG6 | RG6 |
| Nominal G/T | 17.5 dB/K | |
| Nominal EIRP | 48.4 dBWi | |

## RF Interface

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

## Physical

| | | |
|---|---|---|
| Mounting Plate | L: 131 cm | (51.6") |
| | W: 45 cm | (17.7") |
| Stowed Reflector Ext. Dims | L: 145 cm | (57") |
| | W: 76 cm | (29.9") |
| | H: 30 cm | (11.8") |
| Deployed Height | 122 cm | (48") |
| Platform Weight | 52 kg | (115 lbs) |

## Motors

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

## Shipping Weights & Dimensions*

System, with controller and standard set of cables, accessories
Crate (including Reflector, Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 127 kg (280 lbs)
Crate (no Reflector, no Feed/Transceiver):
185.5 cm × 112 cm × 68.5 cm (73" × 44" × 27"), 118 kg (260 lbs)

* The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements