

# Ka-75V-KASAT



## TECHNICAL SPECIFICATIONS

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 NEWSPOTTER 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



### 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.

[http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat\\_Broadband\\_Services.pdf](http://www.eutelsat.com/files/contributed/support/pdf/Eutelsat_Broadband_Services.pdf) (p.12)  
<http://www.eutelsat.com/files/contributed/products/pdf/KA-SAT-SNG-terminals.pdf>



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Specifications are subject to change

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# iNetVu<sup>®</sup>

by C-COM Satellite Systems Inc.

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### Mechanical

Reflector	75cm Elliptical Antenna, offset feed
Platform Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.1^\circ$
Azimuth	Full 360° in overlapping 200° sectors
Elevation	0 - 90°
Polarization	Circular, Auto-switching
Elevation Deploy Speed	Variable, 10°/sec typ.
Azimuth Deploy Speed	Variable, 10°/sec typ.
Peaking Speed	0.1°/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 501.4/502.4, 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	
	<b>Receive</b>	<b>Transmit</b>
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 dBW	

### 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.)
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### 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