Ka-75V

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® Ka-75V 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 any configured satellite. The system works seamlessly with the iNetVu® 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.

"Authorized for use on ViaSat Exede® Enterprise and 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 ViaSat/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

ViaSat EXEDE® ENTERPRISE AUTHORIZED EQUIPMENT

eutelsat type approved for Broadband Services

Application Versatility

If you operate in Ka-band, the Ka-75V 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 (p.12)
http://www.eutelsat.com/files/contributed/products/pdf/KA-SAT-SNG-terminals.pdf

C-COM SATELLITE SYSTEMS INC.

613-745-4110 | 1- 877-463-8886 (1- 877-iNetVu6)
www.c-comsat.com

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TECHNICAL SPECIFICATIONS

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 5º/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

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