

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 direct broadband access over any configured satellite. The system works seamlessly with the iNetVu[®] 7024C Controller providing fast satellite acquisition within minutes, anytime anywhere.

“Approved for use on ExedeSM Ka Service by VIASAT and on KA-SAT NEWSPOTTER NEWSGATHERING service by Eutelsat”



Features

- One-Piece, high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10lbs) Ka transceiver
- Designed to work with the iNetVu[®] 7024C Controller
- Works seamlessly with the world's emerging commercial VIASAT / KA-SAT satellite Surfbeam II/PRO Nomadic 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 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.

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

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SATELLITE SYSTEMS INC.

Specifications are subject to change

April 2013

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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°
Elevation Deploy Speed	Variable, 10°/sec typ.
Azimuth Deploy Speed	Variable 5°/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, High/Low Temperatures
Vibration Test per MIL-STD-810F, Annex A, Category 4, Truck/Trailer/Tracked
Shock Test per IEC 60068-2-27

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 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: 29 cm (11.5")	
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

Crate: 183 cm x 109 cm x 66 cm (72" x 43" x 26"), 52 kg (114 lbs)
Platform: 52 kg (115 lbs)
7024C Controller: 6 kg (13 lbs)
Cables: 5 kg (11 lbs)

Total weight: 115 kg (253 lbs)

Transportable Case Option:
Base Case: 155 cm x 84 cm x 34 cm (61" x 33" x 13.5"), 107 kg (235 lbs)

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