

Ka-66

iNetVu[®]
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu[®] Ka-66 Drive-Away Antenna is a 66 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[®] 9000 Controller providing fast satellite acquisition within minutes, anywhere anytime.



Features

- One-Piece high surface accuracy, dual optics, offset feed, steel reflector
- Integrated with Telesat / Wildblue Transceiver
- Designed to work with the iNetVu[®] controller
- Works seamlessly with Linkstar Ka modem
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Based on Skyware (Raven) 66 cm antenna
- 2 Year Warranty

Application Versatility

If you operate Ka band in North America, the Ka-66 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.

melcom

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Specifications are subject to change

October 2012

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TECHNICAL SPECIFICATIONS

Mechanical

Reflector	66cm Elliptical Antenna, Dual Offset
Mount Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna Compass $\pm 2^\circ$ Tilt sensor $\pm 0.2^\circ$
Azimuth	Full 360° in overlapping 200° sectors
Elevation	0 - 60°
Elevation Deploy Speed	Variable 2°/sec typ
Azimuth Deploy Speed	Variable 15°/sec Max., 10°/sec typ
Peaking Speed	0.2°/sec

Environmental

Survival	
Wind Deployed	200 km/h (124 mph)
Wind Stowed	225 km/h (140 mph)
Temperature	-40°C to 65°C (-40°F to 150°F)
Operational	
Wind	75 km/h (47 mph)
Temperature	-30°C to 55°C (-22°F to 130°F)

Electrical

Rx & Tx Cables	2 RG6 cables (9.1m or 30 ft each)	
Control Cables		
Standard	9.1m (30 ft) Ext. Cable	
Optional	up to 75m available	
	Receive	Transmit
Frequency	19.7 - 20.2 GHz	29.5 - 30.0 GHz
Feed Interface (Circular)	RG6	RG6
Midband Gain	40.4 dBi @19.95 GHz	44.4 dBi @29.75 GHz
Antenna Noise Temperature	30° Elevation	44K typical
Sidelobe Envelope, Co-Pol (dBi)		
	Receive	Transmit
	1.6° < \emptyset < 7°	29 - 25 Log \emptyset
	7° < \emptyset < 9.2°	+8
	9.2° < \emptyset < 48°	32-35 Log \emptyset
	48° < \emptyset < 180°	-10 (typical)
Cross-Polarization (on axis)	> 35 dB	> 35 dB
VSWR	1.3:1	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

Mounting Plate	L: 132 cm (52")
Stowed Dish Ext. Dims	W: 56 cm (22")
	L: 135 cm (53")
	W: 76 cm (30")
	H: 47 cm (12.5")
Deployed Height	109 cm (43")
Max. Weight	50 kg (110 lbs)

Motors

Electrical Interface	12VDC 15 Amp (Max.)
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Shipping Weight & Dimensions

Crate: 155 cm x 122 cm x 54 cm (61" x 48" x 21"), 106 kg (233 lbs)

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