Ka-98G

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® Ka-98G Drive-Away Antenna is a 98 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.

Features

- One-Piece high surface accuracy, offset feed, steel reflector
- Heavy duty feed arm capable of supporting up to 5kg (10 lbs) RF Electronics (LNB & BUC) or transceiver
- Designed to work with the iNetVu® 7024C Controller
- Works seamlessly with the world's most popular commercially available Ka modems and services
- 2 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ka-band satellite within 2 minutes
- Field upgradable to Ku-band
- Locates satellites using the most advanced satellite acquisition methods
- Supports Skyware Global 98 cm Ka antenna and 3W transceiver
- Avanti approved; also compliant with Gilat (SkyEdge) Ka services
- Standard 2 year warranty

BUY NOW

Application Versatility

If you operate in Ka-band, the Ka-98G 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.

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C-COM SATELLITE SYSTEMS INC.

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Mechanical

Reflector	98 cm 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
Elevation Deploy Speed	Variable 2º/sec typ.
Azimuth Deploy Speed	Variable 15º/sec Max.,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)

Electrical

Rx & Tx Cables	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)	19.20 - 20.20	29.50 - 30.0
Feed Interface (Circular)	RG6	RG6
Midband Gain (+-0.2 dBi)	43.50 @19.75 GHz	46.60 @29.75 GHz
Antenna Noise Temp. (K)	30º EL= 62 Max.	
Sidelobe Envelope Co-Pol (dBi)		
100λ / D < Ø < 20º	29 - 25 Log Ø	
20º < Ø < 26.3º	-3.5	
26.3º < Ø < 48º	32-25 Log Ø	
48º < Ø < 180º	-10 (typical)	
Cross-Polarization	> -24 dB	> -22 dB
VSWR	1.3:1	

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base Connector

Physical

Mounting Plate	L: 161 cm	(63.5")
	W: 45 cm	(17.7")
Stowed Reflector Ext. Dims	L: 164.8 cm	(64.9")
	W: 100 cm	(39.5")
	H: 29 cm	(11.5")
Deployed Height	151 cm	(59.5")
Max. Weight	54 kg	(119 lbs)

Motors

Electrical Interface	24VDC	8 Amp (Max.)

Shipping Weights & Dimensions

Crate: 183 cm x 109 cm x 66 cm (72" × 43" × 26"), 52 kg (115 lbs)
Platform: 54 kg (119 lbs)
7024C Controller: 6 kg (13 lbs)
Cables: 5 kg (11lbs)

Total weight: 117 kg (258 lbs)

Transportable Case Option:
Base Case: 183 cm x 109 cm x 47 cm (72" x 43" x 18.5"), 133.5 kg (294 lbs)