980

TECHNICAL SPECIFICATIONS

iNetVu®
by C-COM Satellite Systems Inc.

The iNetVu® 980 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® 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.

Features

- One-Piece offset feed, prime focus, SMC reflector with back cover
- Heavy duty platform for up to 5kg (10 lbs) RF Electronics (LNB & BUC)
- Designed to work with the iNetVu® 7000C controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control when required
- One button, auto-pointing controller acquires any Ku-band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Supports Prodelin 98 cm antenna, Model 1984 & 1985
- Standard 2 year warranty

Application Versatility

If you operate in Ku-band, the 980 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.

C-COM SATELLITE SYSTEMS INC.

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

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Mechanical

Reflector	98 cm Prime focus, offset feed [1]
Platform Geometry	Elevation over Azimuth
Polarization	Reflector rotation cross-pol isolation
	GPS antenna
Deployment Sensors	Compass ± 2°
	Tilt sensor ± 0.2°
Azimuth	Full 360° in overlapping 200° sectors
Elevation	0 - 65°
Polarization	±70°
Elevation Deploy Speed	Variable 5°/sec typ.
Azimuth Deploy Speed	Variable 15°/sec Max., 10°/ sec typ.
Peaking Speed	0.2°/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)

Electrical

Rx & Tx cable	2 RG6 cables - 9.1m (30 ft) each	
Control cables:		
Standard	9.1m (30 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
Transmit Power [2]	1 to 200 Watt (Ku-band)	
	Receive	**Transmit**
Frequency, Ku-band (GHz)	10.95-2.75	13.75-14.50
Midband Gain (±0.2 dB)	39.80	41.30
Sidelobe Envelope, Co-Pol (dBi)		
100λ /D < Ø < 20°	29 - 25 Log Ø	
20° < Ø < 26.3°	-3.5	
26.3° < Ø < 48°	32 - 35 Log Ø	
48° < Ø < 180°	-10 (averaged)	
Cross-Polarization		
Within B.P.E.	-30 dB (Max.) [3]	
Any Angle off Axis	-25 dB (Max.)	
VSWR	1.3:1 (Max.)	

RF Interface

Radio Mounting	Feed Arm / Rear of Base /Inside Vehicle
Axis Transition	Twist-Flex Waveguide
Waveguide	WR75 Cover Flange Interface
Coaxial	RG6U from Feedhorn to Base Connector
European/Eutelsat Feed	Prodelin Model 1985 Based (2 Port - X Pol)
Standard Feed	Prodelin Model 1984 Based (2 Port - X Pol)

Physical

Mounting Plate	L: 127 cm	(50")
	W: 46 cm	(18")
Stowed Reflector Ext. Dims	L: 155 cm	(61")
	W: 100 cm	(39.5")
	H: 46 cm	(18.3")
Deployed Height	132 cm	(52")
Reflector Assembly Weight	13.7 kg	(30 lbs)
Platform Weight	51.3 kg	(113 lbs)
Total Weight	65 kg	(143 lbs)

Motors

Electrical Interface	12VDC	15 Amp (Max.)

Shipping Weights & Dimensions

Empty Crate: 163 cm x 107 cm x 72 cm (64" x 42" x 28"), 54 kg (119 lbs)
Platform: 65 kg (143 lbs)
7024C Controller: 6 kg (13 lbs)
Cables: 5 kg (11lbs)

Total Weight: 130 kg (286 lbs)

Transportable Case includes Platform: (Optional)
172 cm x 111 cm x 74 cm (68" x 44" x 29"), 160 kg (353 lbs)

Note:
[1] Antenna based on Prodelin, Model 1984. Eutelsat Feed, Model1985 is also available as an option.
[2] Depending on size and weight for feed arm mounting limitation.
[3] Systems are configured with Cross-Pol as standard, Co-Pol is optional.

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