

# 980



## TECHNICAL SPECIFICATIONS

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 Broadband Internet 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.

[www.intellisystem.it](http://www.intellisystem.it)

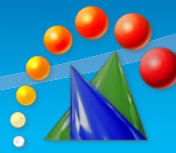
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## INTEGRATED SATELLITE SOLUTIONS

Specifications are subject to change

May 2016

# 980



## INTELLISYSTEM TECHNOLOGIES

### TECHNICAL SPECIFICATIONS

#### Mechanical

Reflector	98 cm Prime focus, offset feed <sup>(1)</sup>
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)

Thermal Test per MIL-STD-810F, Method 501.4, Low Temperatures

#### Electrical

Rx & Tx cable	2 RG6 cables - 9.1 m (30 ft) each	
Control cables:		
Standard	9.1 m (30 ft) Ext. Cable	
Optional	up to 60 m (200 ft) available	
Transmit Power <sup>(2)</sup>	1 to 200 Watt (Ku-band)	
	<b>Receive</b>	<b>Transmit</b>
Frequency, Ku-band (GHz)	10.95-12.75 <sup>(3)</sup>	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.)	
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.)
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#### 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 (11 lbs)

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)

\*The shipping weights/dims can vary for particular shipments depending on actual system configuration, quantity, packaging materials and special requirements

#### Notes:

- <sup>(1)</sup> Antenna based on Prodelin, Model 1984. Eutelsat Feed, Model 1985 is also available as an option
- <sup>(2)</sup> Depending on size and weight for feed arm mounting limitation
- <sup>(3)</sup> LNB PLL Type required with stability better than ± 25 KHz

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