

# 750

# iNetVu®

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu® 750 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® 7000C Controller providing fast satellite acquisition within minutes, anytime anywhere.



### Features

- One-Piece precision offset, thermoset-molded reflector
- 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 Skyware Global 75 cm antenna, Type 755
- Standard 2 year warranty

### Application Versatility

If you operate in Ku-band, the 750 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.

613-745-4110 | 1-877-463-8886  
[www.c-comsat.com](http://www.c-comsat.com)

**C-COM**  
SATELLITE SYSTEMS INC.

Specifications are subject to change

Mar 2014

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## TECHNICAL SPECIFICATIONS

### Mechanical

Reflector	75 cm Elliptical Antenna <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
VSWR	1.3:1 Max.

### 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:	9.1 m (30 ft) Ext. Cable	
Optional:	up to 60 m (200 ft) available	
Transmit Power <sup>(2)</sup>	1 to 200 Watt (Ku-band)	
Ku-Band	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	10.70 - 12.75	13.75 - 14.50
Midband Gain (± 0.2 dBi)	37.80 @ 11.95 GHz	39.30 @ 14.25 GHz
Antenna Noise Temp. (K)	30° EL= 50	
Sidelobe Envelope, Co-Pol (dBi)		
1.8° < 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 on Axis	-30 dB	
VSWR	1.3:1	

### RF Interface

Radio Mounting	Feed Arm
Waveguide	WR75 Rigid + Flex
Coaxial	RG6U from Feedhorn to base Connector
Feed	2 ports

### Physical

Mounting Plate	L: 127 cm (50") W: 45.7 cm (18")
Stowed Reflector Ext. Dims	L: 104 cm (41") W: 92.7 cm (36.5") H: 46.3 cm (18.25")
Deployed Height	116 cm (45.5")
Platform Weight	60 kg (132 lbs)

### Motors

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

Crate: 163 cm x 107 cm x 72 cm (64" x 42" x 28"), 43 kg (94lbs)  
Platform: 60 kg (132 lbs)  
7024C Controller: 6 kg (13 lbs)  
Cables: 5 kg (11lbs)

Transportable Case includes Platform: (Optional)  
157 cm x 110 cm x 46 cm (62" x 43" x 18"), 110 kg (240 lbs)

Note: <sup>(1)</sup> Antenna based on Skyware, Model 755

<sup>(2)</sup> Depending on size and weight for feed arm mounting limitation

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