Ka66

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

Electrical

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

Physical

Mounting Plate	L: 52.0"	(1321 mm)
Stowed Dish Ext. Dims	W: 22"	(559 mm)
	L: 53"	(1346 mm)
	W: 30"	(762 mm)
	H: 12.5"	(470 mm)
Deployed Height	43"	(1092 mm) Max.
Weight	110.8 lbs	(50 kg)

Operational

Wind	47 mph (75 km/h)
Temperature	-22°F to 130°F (-30°C to 55°C)

Mechanical

Reflector	0.66m Elliptical Antenna, Dual Offset
Mount Geometry	Elevation over Azimuth
Deployment Sensors	GPS antenna
	Compass ± 2°
	Tilt sensor ± 0.2°

Motors

Electrical Interface	12V DC 15A max.

Maximum Mount Rotation

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

RF Interface

Radio Mounting	Feed Arm
Coaxial	RG6U from Transceiver to Base
	Connector
Electrical Interface	Connectors for Controller

Environmental Survival

Wind Deployed	124 mph (200 km/h)
Wind Stowed	140 mph (225 km/h)
Temperature	-40°F to 150°F (-40°C to 65°C)

Standard warranty: 2 years

c-com Satellite Systems Inc.

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