

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 (+.2dB)	
Rx	44.4 dBi @ 29.75 GHz
Tx	40.4 dBi @ 19.95 GHz
Antenna Noise Temperature	20° Elevation 48°K
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	Receive Transmit
Within 1 dB Beamwidth	> 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	

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Specifications are subject to change

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