

# 120

**iNetVu**<sup>®</sup>  
by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu 120 fixed motorised antenna system is a self-pointing auto-acquire unit that can be mounted either as a permanent installation or on a portable fixed base.



- Designed to work with the iNetVu 7024 controller
- Works seamlessly with the world's most popular commercially available satellite modems
- 3 Axis motorization
- Supports manual control when required
- It is a cost effective solution for multi-satellite communication at any location
- One button, auto-pointing controller acquires any Ku band satellite within 2 minutes
- Locates satellites using the most advanced satellite acquisition methods
- Using the proprietary iNetVu algorithm the system can successfully track inclined orbit satellites
- Eliminates costly repointing and network downtime due to adverse weather conditions
- Can be easily relocated when mounted on a semi-permanent platform without the need for any specialised equipment
- Any compatible fixed installation can be easily converted and upgraded to a fully motorised system
- Supports ASC 1.2m antenna
- Class I system designed for typical 1W and 2W Ku-band BUCs (2 Kg max. weight for RF electronics (BUC and LNB))
- Class III system designed for 4W and higher BUCs (10 Kg max. weight for RF electronics (BUC and LNB))

### Application Versatility

The 120 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, Mining, Disaster Management, Construction, Mobile Offices and Emergency Services.

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**C-COM**  
SATELLITE SYSTEMS INC.

This is a draft. Specifications are subject to change. Aug. 2011

## TECHNICAL SPECIFICATIONS

**Mechanical**

Antenna size	1.2m (48")
Reflector Material	Glass reinforced polyester SMC <sup>(1)</sup>
Mount Type	Three axis Motorised, Galvanised steel
Antenna optics	Prime Focus, offset feed
Mast size	2.5 SCH 80 pipe (3.00" OD)
Elevation range	80° (10° to 90°)
Azimuth Range	340° Linear Orthogonal
Polarization Range	± 90°
Shipping Specifications	

**Environmental**

Wind loading	
Operational	45mph (72 km/h)
Survival	125mph (200 km/h)
Temperature	
Operational	-40° to 140° F (-40° to 60° C)
Survival	-50° to 160° F (-46° to 71° C)

**Electrical**

Elevation Actuator	24 Volt, 24" stroke
Azimuth Actuator	24 Volt, 12" stroke
Motor Cable	16 AWG, 50' (15M)
Sensor Cable	24 AWG, 50' (15 M)

**Ku-Band**

Operating Frequency (GHz)	
Receive	10.70 - 12.75
Transmit	13.75 - 14.50
Midband gain (± .2dB)	
Receive	41.8 dBi
Transmit	43.3 dBi
Antenna Noise Temp.	
10° Elevation	45K
30° Elevation	24K
Sidelobe Envelope Co-Pol	
1.5° <θ < 20°	29-25 Logθ dBi
20° <θ < 26.3°	-3.5 dBi
26.3° <θ < 48°	32-25 Logθ dBi
48° <θ < 180°	-10dBi Typical
Cross Polarization	> -30 dB in 1dB contour
VSWR	1.3:1 Max
Feed Interface	
Receive	Type F or N
Transmit	WR 75

**Warranty**

Standard	1 year
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**Note:** <sup>(1)</sup> Antenna based on Skyware, Model 123