

1M Troposcatter Antenna

iNetVu®

by C-COM Satellite Systems Inc.



Environmental

Operating Temperature: -40°C ~ +55°C
Storage Temperature: -55°C ~ +70°C
Operating Altitude: ≤ 3500m
Wind load
 Operating: 50 Km/h
 Survival: 75 Km/h
Shock, Vibration, Mold per MIL-STD-810G
Water Ingress per IP-65

Note:

⁽¹⁾ Excluding weights of BUC/LNB

Antenna aperture

The antenna aperture is 1m (7 segments) carbon fiber antenna

Electrical

Operating frequency	4.4-5.0 GHz
Gain (mid band)	≥ 31.2dBi (@ 4.7 GHz)
VSWR	≤ 1.3
Side lobe suppression	≤ -14dBc
POL mode	H/V linear polarization
RF interface	WR-187/ N-50K (waterproof)
Power capacity	≤ 125W

Mechanical

- The elevation of the antenna can be adjusted and locked manually, the adjustment range is -3° ~ 15°
- The azimuth of the antenna can be adjusted and locked manually, the adjustment range is ± 15°
- The antenna is provided with horizontal bubble device, which can show whether the antenna is horizontal
- EL range: -3° ~ 15° (in 1° accuracy)
- AZ range: ± 15° (in 1° accuracy)
- PL range: 0°, ± 90° (supported positions)
- The antenna is provided with position for fixing the rope, the rope length can be adjusted and the locking device is provided
- The center height of antenna reflector: ≥ 2m
the maximum height is ≤ 2.5m
- Assembly time ≤ 5min (2 persons)

Shipping Weights and Color

Total weight with soft case: 20 Kg⁽¹⁾

Color of antenna: Customer Green RAL 6031