

ESA Antenna

iNetVu® iNmotion



Main Features/Capabilities

- Supports GEO, LEO, MEO Constellations
- Ka-band Frequency: Transmit: 27.5-31.0 GHz
Receive: 17.7-20.2 GHz
- Electronic Beam Steering and Tracking
- Elevation Angles: 20-90 deg; (70deg from Boresight) with scan loss up to 6 dB
- Azimuth Angles: 360 deg Continuous
- Polarization: Software switchable, LP (H/V) or CP (RH/LH)



iNetVu® iNmotion 1K

iNetVu® iNmotion 2K

iNetVu® iNmotion 4K

Aperture Size:	TX: 1024 elements (32x32) RX: 2048 elements (48x48)	TX: 2048 elements (48x48) RX: 4096 elements (64x64)	TX: 4096 elements (64x64) RX: 4096 elements (64x64)
Gain(dBi):	TX: 34; RX: 37	TX: 37; RX: 40	TX: 40; RX: 40
G/T (dB/K) @ 20GHz Boresight:	11	14	14
EIRP (dBW) @ 20GHz CP Boresight:	46	52	58
Beamwidth (deg.) @ Boresight:	TX: 3.1; RX: 2.2	TX: 2.2; RX: 1.6	TX: 1.6; RX: 1.6
Power Consumption @P1dB:	355W	725W	1025W
Physical Size (LXWXH) ⁽¹⁾ :	70cm x 50cm x 11cm	85cm x 60cm x 11cm	100cm x 60cm x 11cm
Weight:	25Kg	30Kg	35Kg
Operating Temp:	-40C to +55C	-40C to +55C	-40C to +55C
Storage Temp:	-55c to +70C	-55c to +70C	-55c to +70C

Notes:

(1) Estimated size



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