



C2SAT 2.4m C

Technical specifications; 4-Axes Marine Stabilised Antenna System compatible with C-band Satellite



C2SAT



Technical Specifications

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Feature	Specification data
Stabilisation Type	4-axes gimbals. AC servo low inertia belt drive.
Reflector Diameters	Up to 2.4 m (94") fitting the same mechanical rig
Radome Size	D: 4.0 m (157") H: 3.3 m (130")
Weight incl Radome	664 kg (1460 lbs) excl AC. AC 71 kg (156 lbs)
Frequency Rx	3.7 – 4.2 GHz
Frequency Tx	5.85 – 6.425 GHz
Crosspol Isolation (Linear) 2.4m	> 30 dB on axis
BUC Power	10W, 20W and 40W
Gain Midband Rx 2.4m Gain Midband Tx 2.4m	39 dBi 41.5 dBi
Dynamic Accuracy	0,1 degrees RMS
Signal Polarisation	Linear /Circular
Antenna Movement, azimuth	Continuous, unlimited (slipping)
Ship Motion	± 30° per 10 s in pitch, roll and yaw
GPS Antenna	Built in
Isolation Tx/Rx OMT (without transmit reject filter)	Tx/Rx 60 = dB min, Rx/Tx = 40 dB min
Transmit Band Rejection TRF	70 dB Typical, 5.8 – 6.5 GHz
IF Frequencies	L-band
Compass Interface	NMEA 0183 or C.PLATH
LNB	Standard C-band 3.7 – 4.2 GHz ±25 kHz (standard)
System G/T	20 dB @ 3.95 GHz, clear sky 20 degrees elevation