



C2SAT 1.2m Ku-4M

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



C2SAT®



Technical Specifications

C2SAT 1.2m Ku-4M (Standard Configuration)

Feature	Specification data
Stabilisation Type	4-axes gimbals. AC servo low inertia belt drive.
Reflector Diameter	1.2 m (47")
Radome Size	D: 2.1 m (82,7") H: 2.4 m (94,5")
Weight incl Radome	364 kg (802 lbs) excl AC. AC 63 kg (139 lbs)
Frequencies	Rx: 10.95 – 12.75 GHz Tx: 13.75 – 14.5 GHz
Antenna Type	Prime Focus
Antenna Gain	Rx: 40.7 dBi min at mid band Tx: 42.0 dBi min at mid band
Cross Polarisation	Tx: > 35 dB within 1 dB envelope
Signal Polarisation	Linear
Dynamic Accuracy	0,05 degrees RMS
Antenna Movement, azimuth	Continuous, unlimited (slipping)
Antenna Movement, polarisation	$\pm 120^\circ$
G/T (@ 20° elevation, typical)	19 dB/K
Ship Motion	$\pm 30^\circ$ per 10 s in pitch, roll and yaw
BUC Power	4W to 16W
GPS Antenna	Built in