

Ku-Mate®(SX-5300/5310)
Ku-Band Maritime Antenna Terminal Equipment



Broadband communication on the ocean



● Eutelsat Earth Station Standards (EESS502-Standard M) approved (EA-V056 certified)

● Robust reliable antenna control keeps satellite tracking error within 0.2deg

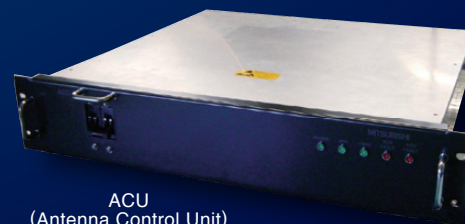
● Complies with ITU-R requirements for severe vessel motion and vibration

● User-friendly computer-based program ensures easy maintenance and diagnostics

1-meter dish with 8W block up-converter (BUC)

Stable 3-axis antenna for full hemispherical coverage under severe vessel's motion

Compatible with various manufacturers' modems used around the world



ACU
(Antenna Control Unit)

for a greener tomorrow



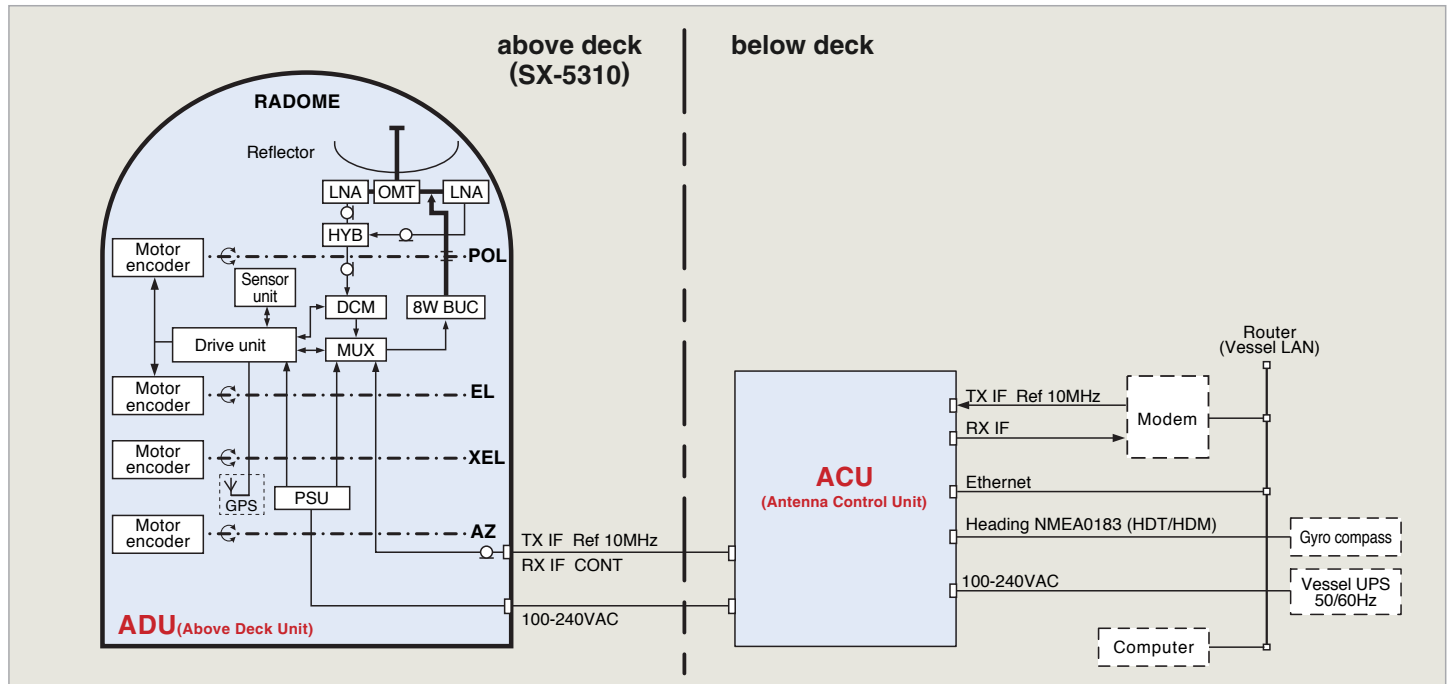
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Standard Specifications (SX-5300:Cross-POL Model SX-5310:Dual-POL Model)

Item		1m Antenna
Antenna	Reflector size	1m
	Radome size	Approx.1.60m(D)×1.75m(H)
	Weight	Approx.175kg(SX-5300) Approx.190kg(SX-5310)
	Mount	3-axis servo control
RF/IF Frequency	Transmit	14.00-14.50GHz/950-1,450MHz
	Receive	10.70-12.75GHz/950-1,700MHz
Polarization	Transmit	Linear
	Receive	Linear
Cross-polarization Discrimination	Transmit	>30dB
	Receive	>30dB
System EIRP		49.0dBW typ. @14.25GHz with 8W BUC
System G/T		18.4dB/K typ. @12.50GHz(SX-5300) 18.0dB/K typ. @12.50GHz(SX-5310)
Tracking	Method	Conical scan + Rate sensor
	Accuracy	+/-0.2°(o-p)
Gimbal Angle Coverage	Az	540°(continuous)
	EI	-25~+115°
Wind Load	Average	40m/sec
	Maximum	60m/sec
Vessel Motion	Roll	+/-30°/7sec
	Pitch	+/-10°/5sec
	Yaw	+/-4°/20sec
	Turning rate	+/-6°/sec
Vessel I/F	Navigation	Gyro compass(NMEA0183)
Operating Conditions(*)	Temperature	-25~+55°C
	Heat/Humidity	+40°C,93%RH,1cycle
Power Supply		100-240VAC,50/60Hz,+/-5%

*Complies with IEC60945.



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