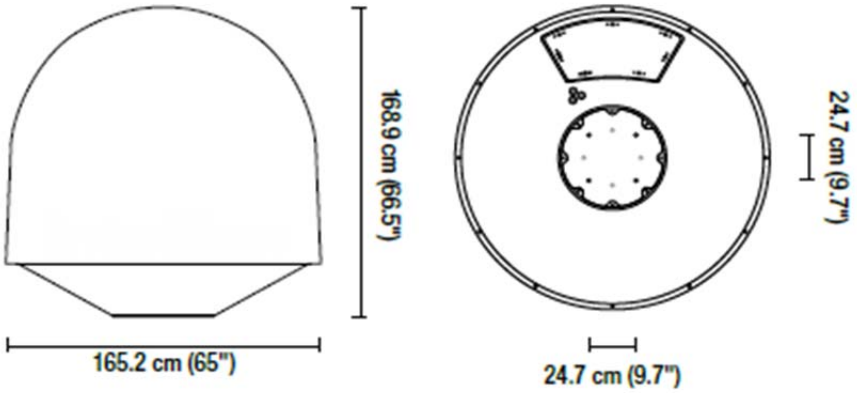
RADITEK

SATCOM Ku
1.25m MSAS

Marine Stabilized Antenna System

Ku Band

RoHS COMPLIANT



Ku Band MSAS

10.95-12.75GHz

1.25 meter, Ku band

Key Features Include:

Easy install	Without requiring heading device input Quick setup to reduce installation time
Standard Web	Built-in web interface Remote network based/ remote firmware upgrade
Customizable Satellite Library	Additional satellite information setting not required for installation
Automated Diagnostics	Encoder, Motor, Tilt/Gyro sensor, LNB pol control, LNB, Antenna & ACU power, Modem connection, I/F
Spectrum Analyzer	Real time monitoring of the current satellite signal

Order Example: **RMSAS-Ku(10.95-12.75)-1.25m-39dBi-q19**

Description: ***Marine Stabilized Antenna System,*** *10.95-12.75GHz, 1.25Meter antenna Diameter and 39.4dBi typical antenna gain system enclosed in a weatherproof Radome.*

RF performance Superior antenna efficiency and gain and Cross-Pol isolation.
Save installation and maintenance time: Simplified design to allow very straightforward installation without the need for a skilled engineer. The Antenna includes a built in LED lamp inside the Radome base to give a safer and brighter maintenance environment.
Gyro-free satellite search capability Acquires and locks to the satellite without a separate input from the ship's gyro-compass.
Remote M & C Can be, monitored, and controlled from any world location, and routine maintenance activities can be automated, to allow automated firmware upgrades, tracking parameter adjustment and system diagnostics.
WIFI & Networking connectivity: Built in Wi-Fi enables connectivity for advanced system control and monitoring, including One-Touch satellite library and firmware updates. The ACU LAN port provides networking connectivity to other similar systems to allow monitoring and control of all similar networked devices.
Open platform compatibility: Fully integrated ABS (Automatic Beam Switching) function with leading service providers who use the embedded Open AMIP protocol
Wide elevation range: Elevation ranges from -20° to 120° to enable seamless signal reception during travel near the Equator or Polar Regions.

Random & Antenna	
Radome Height	169.9 cm (66.5 inch)
Radome Diameter	165.2 cm (65 inch)
Reflector Diameter	125 cm (49.2 inch)
Weight	Approx. 128 kg (282 lbs)
Stabilized Pedestal Assembly	
Pedestal Type	3-axis (Azimuth, Elevation, Cross-level)
Azimuth Range	Unlimited
Elevation Range	-20° ~ 120°
Cross Level Range	Up to ±37°
Stabilization Accuracy	0.2° peak mis-pointing with maximum ship motion
Motor Brake System	Azimuth, Elevation, Cross Level

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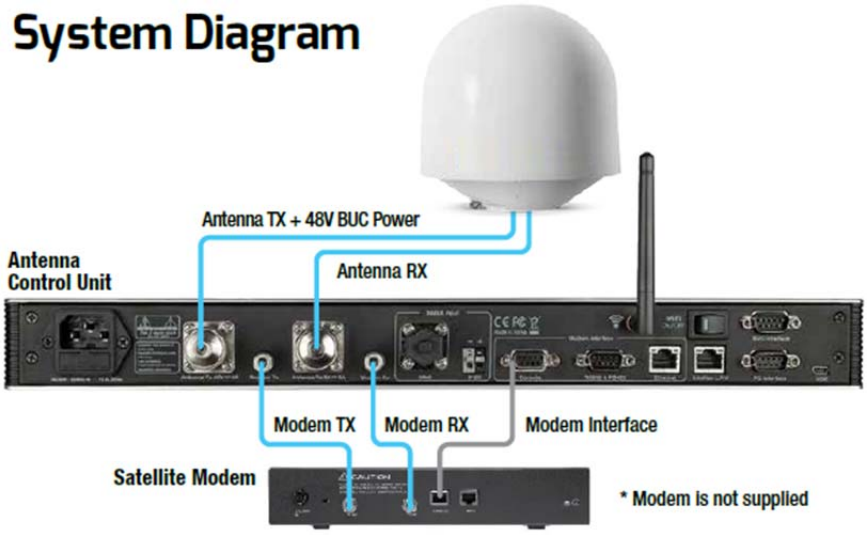
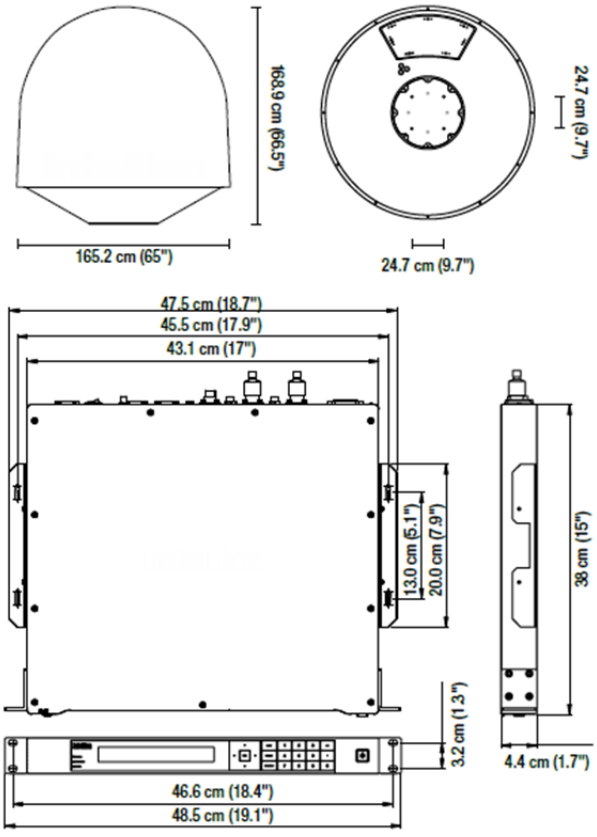
Marine Stabilized Antenna System
Ku Band 10.95-12.75GHz

RF Performance	
TX Frequency	13.75 ~ 14.5 GHz (Ku-band)
TX Gain	43.2 dBi @ mid band
RX Frequency	10.95 ~ 12.75 GHz (Ku-band)
RX Gain	42.1 dBi (typical mid band)
G/T	> 20.2 dB/K (with clear Sky, 30° Elevation)
BUC Power	8W, 16W (Optional)
LNB	PLL LNB
Polarization	Cross and Co-polarization
Antenna Control Unit	
Dimensions (W × D × H)	43.1cm × 38.1cm × 4.4 cm (17 inch × 15 inch × 1.7 inch)
Weight	3.5 kg (7.7 lbs)
Display	2 line 40 character graphic module
Ship's Gyrocompass Interface	NMEA / NMEA 2000
Modem Interface	Ethernet port / RS-232C
Remote Management	Yes
Wi-Fi Operation	Yes
Management Port	Yes
Power Requirement	100~240V AC, 50~60Hz, 4A

System Diagram





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