

Starwin SW100 Maritime Antenna Datasheet



Introduction:

Starwin SW100 1.0m Ka band maritime VSAT, uses the combination of high precision navigation sensor and signal intensity tracking, and embedded GPS module, the antenna can automatically search, identify and lock satellite signals. Even if ships cruise in harsh sea conditions, they can also ensure the stability of transmitting and receiving signals. Reliable communication can be established and maintained for vessels on extreme conditions. This system can realize two-way real time transmission of voice, data and image and others.

The system is used the three-axis stabilization method, and it can be applied to offshore and inland ships, or offshore platform.

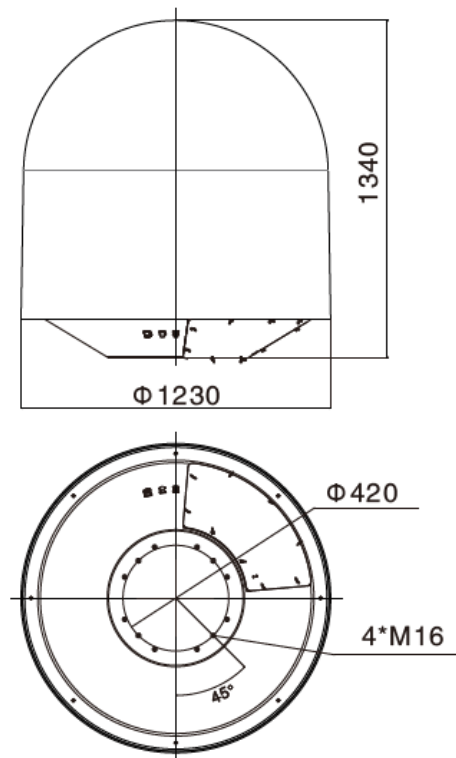
Features:

- Modular design, high integration, strong stability
- High tracking accuracy, fast response
- The ability of receive signal is strong, apply to wider ocean area
- Broadband antenna technology

Technical Specifications:

Antenna Specifications	Working Frequency	Tx	27.5GHz~31.0GHz
		Rx	17.7GHz~21.2GHz
	Antenna Gain	Tx	≥47.3dBi@29.5GHz
		Rx	≥43.8dBi@19.7GHz
	Polarization		Circular, Co-Pol/X-Pol
	EIRP		≥52.0dBW@29.5GHz, 5W BUC
	G/T		≥17.2dB/K@19.7GHz, 20°EI
	Antenna Type		Parabolic
Tracking Specifications	Antenna Aperture		Equivalent 1.05m
	Port Isolation		≥85dB
	Axis-Ratio		≤2dB
	Pedestal Type		3-axis
	Antenna Travel Range	Azimuth	360°, unlimited
		Elevation	-15°~120°
		Polarization	360°, unlimited
		Roll	-40°~40°
System Specifications	Tracking Accuracy		≤0.2° (R.M.S)
	Initial Acquisition Time		≤120s
	Re-acquire Time		<3s (Occlusion time @60s)
Environmental Specifications	BUC Optional		≤40W (Built-in)
	Power Supply		100V~240V AC
	Power Consumption		<250W(Exclude BUC)
Others	Working temperature		-25°C~+55°C
	Storage temperature		-40°C~+65°C
	Working Humidity		0%~95%
Others	ACU size		1U
	Weight		130Kg
	Dimension		Φ 1230mm*H1340mm

Dimension(mm):



Mount Instruction:

