

Starwin SW120 Maritime Antenna Datasheet



Introduction:

Starwin SW120 1.2m Ku band maritime antenna is a highly sensitive intelligent satellite transceiver system, uses the combination of high precision strapdown inertial navigation technology and beacon tracking mode, and embedded GPS module, the antenna can ensure that the antenna always aligns the satellite in the course of driving.

The system is used for global linear polarization satellites with cover the sea area, it can satisfy the navigation conditions of vessels in various sea areas and establish satellite communication links, the video, voice, data and other services can be realized with only the relevant decoder.

Features:

- Modular design, high integration
- High tracking accuracy, fast response
- The ability of receive signal is strong, apply to wider ocean area
- Automatic search for satellite signals

Technical Specifications:

China Starwin Science & Technology Co., Ltd.

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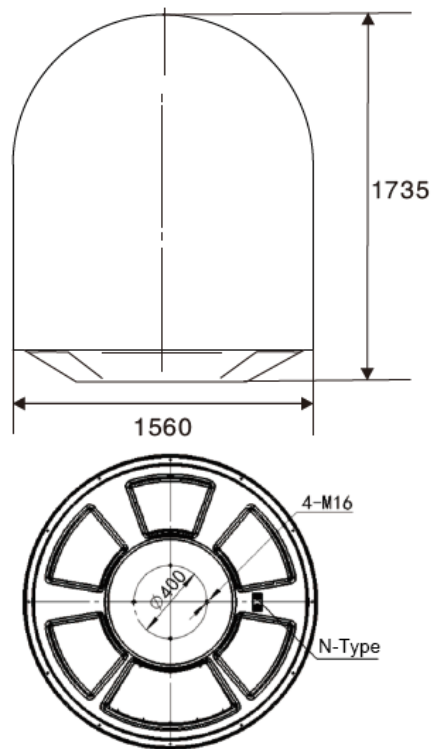
Antenna Specifications	Working Frequency	Tx	13.75GHz~14.5GHz
		Rx	10.95GHz~12.75GHz
	Antenna Gain	Tx	≥42.5dBi@14.25GHz
		Rx	≥41.5dBi@12.2GHz
	Polarization		Linear, auto-adjustment
	EIRP		≥50.3dBW@14.25GHz, 6W BUC
	G/T		≥20.5dB/K@12.5GHz, 20°EI
	Antenna Type		Parabolic
Tracking Specifications	Antenna Aperture		Equivalent 1.2m
	Port Isolation		≥85dB
	XPD		≥30dB
	Pedestal Type		3-axis
	Antenna Travel Range	Azimuth	360°, unlimited
		Elevation	-10°~105°
		Polarization	≥180°
		Roll	-40°~40°
	Tracking Accuracy		<0.2° (R.M.S)
	Initial Acquisition Time		≤120s
System Specifications	Re-acquire Time		<3s (Occlusion time @60s)
	BUC Optional		4W/6W/8W/16W/25W/40W (Built-in)
	Power Supply		100V~240V AC
Environmental Specifications	Power Consumption		<350W(Exclude BUC)
	Working temperature		-25°C~+55°C
	Storage temperature		-40°C~+65°C
Others	Working Humidity		0%~95%
	ACU size		1U
	Weight		160Kg
	Dimension		Φ 1560mm*H1735mm

Dimension(mm):

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Mount Instruction:

