

MARINE COMMUNICATION AND NAVIGATION EQUIPMENT

HighlanderFully Automatic Working Radar 900-900C

ISO9001 Supplier

Class Certificate

Export Supply

Automatic tune: Dynamic automatic tuning ensures that the radar functions at its optimal level in target detection. Automatic Clutter Suppression: Automatic Sea & Rain Clutter Suppression allows t...



Key Highlights

Category	Marine Communication And Navigation Equipment
Standard	DIN
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Marine Communication And Navigation Equipment	Model / SKU	HighlanderFully-Automatic-Working-Radar-900-900C
Standard	DIN	Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	Origin	China

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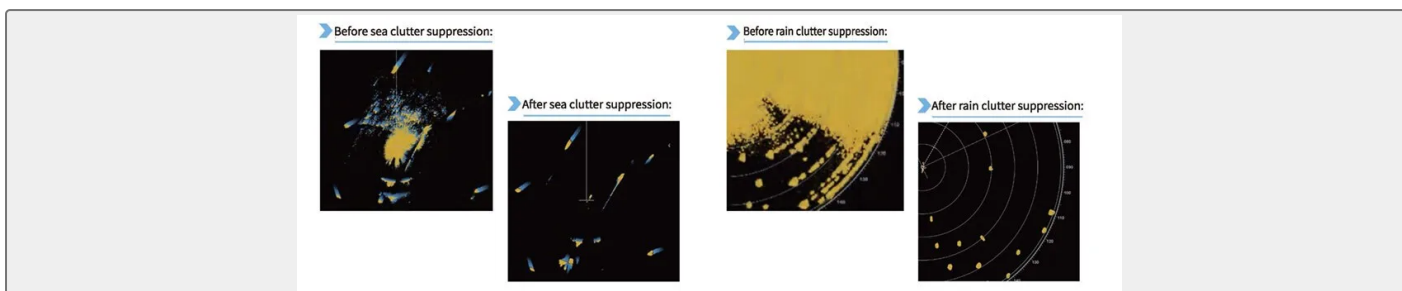
- Automatic tune:
- X-BAND
- Automatic Target Acquisition:
- S-BAND

Automatic tune:

Dynamic automatic tuning ensures that the radar functions at its optimal level in target detection.

Automatic Clutter Suppression:

Automatic Sea & Rain Clutter Suppression allows the radar performance to automatically adapt to different sea states, vessel types and installation limitations.



Automatic Target Acquisition:

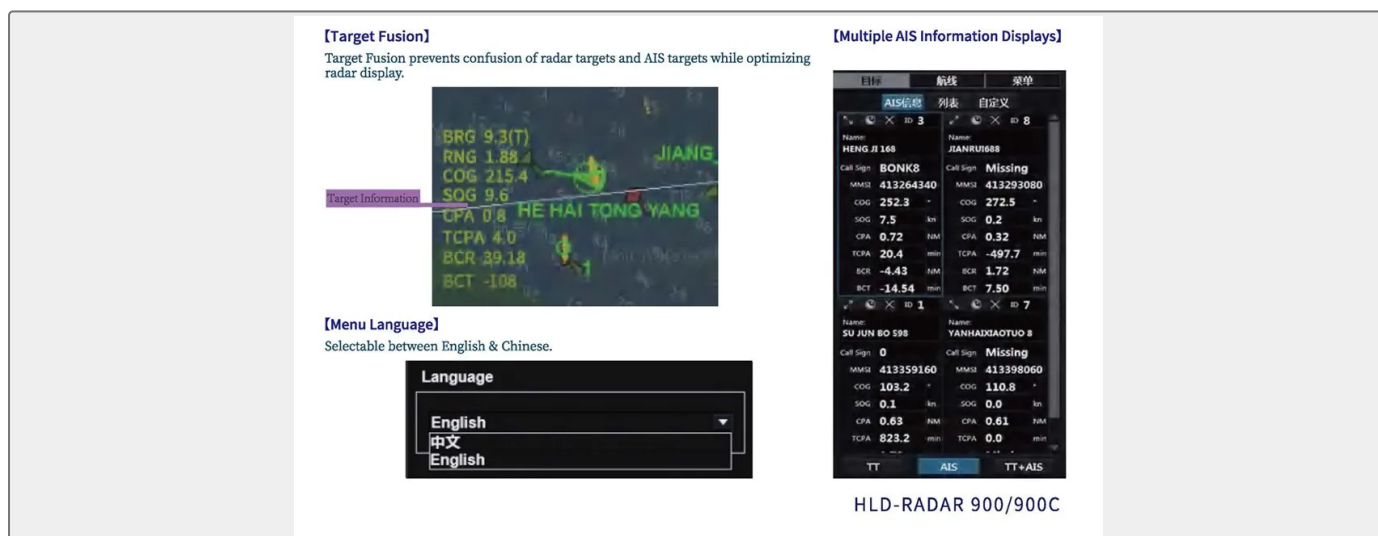
Radar targets are automatically acquired when ever they are within the defined zone. Up to 10,000 targets are automatically tracked.

Automatic Collision Avoidance Alarm:

Collision Avoidance Alarm is automatically triggered whenever dangerous targets are detected via preset collision avoidance CPA/TCPA parameters.

Automatically assist in collision avoidance decision-making suggestions:

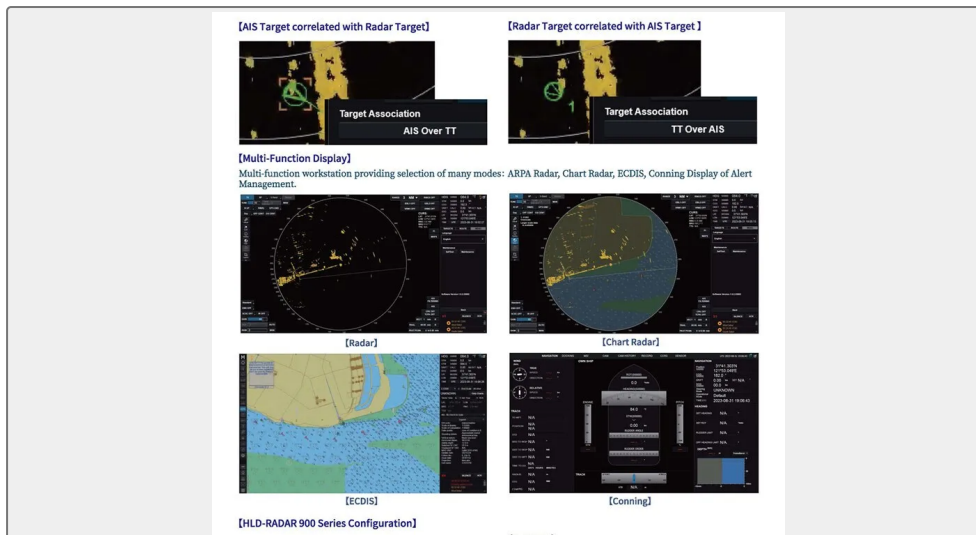
The automatic assisted collision avoidance svstem uses the static and dynamic data of the local ship and the target ship provideby the magnetron radar, combined with the continuous calculation of the collision avoidance algorithm, to provide reasonablecollision avoidance suggestions for the crew. Crews can quickly evaluate and take corresponding actions based on algorithmsuggestions to improve decision-making efficiency and navigation safety.



Target Fusion prevents confusion of radar targets and AIS targets while optimizing radar display.

Multi-Function Display:

Multi-function workstation providing selection of many modes: ARPA Radar, Chart Radar, ECDIS, Conning Display of Alert management.



HLD-RADAR 900 Series Configuration

X-BAND

Antenna HLD-AT104/106/108

Transceiver Unit HLD-TU110/125

Display unit HLD-DU162/163/164/165

HLD-DU133/134/135/138

Human Interface Unit HLD-IU600

Main Control Unit HLD-MCU770

Power Conversion Unit HLD-PCU600

Optional

ECDIS key HLD-LIC900

Console

Tabletop stand

De-icing device

S-BAND

Antenna HLD-AT112

Transceiver Unit HLD-TU130

Display unit HLD-DU162/163/164/165HLD-DU133/134/135/138

Human Interface Unit HLD-IU600

Main Control Unit HLD-MCU770

Power Conversion Unit HLD-PCU600

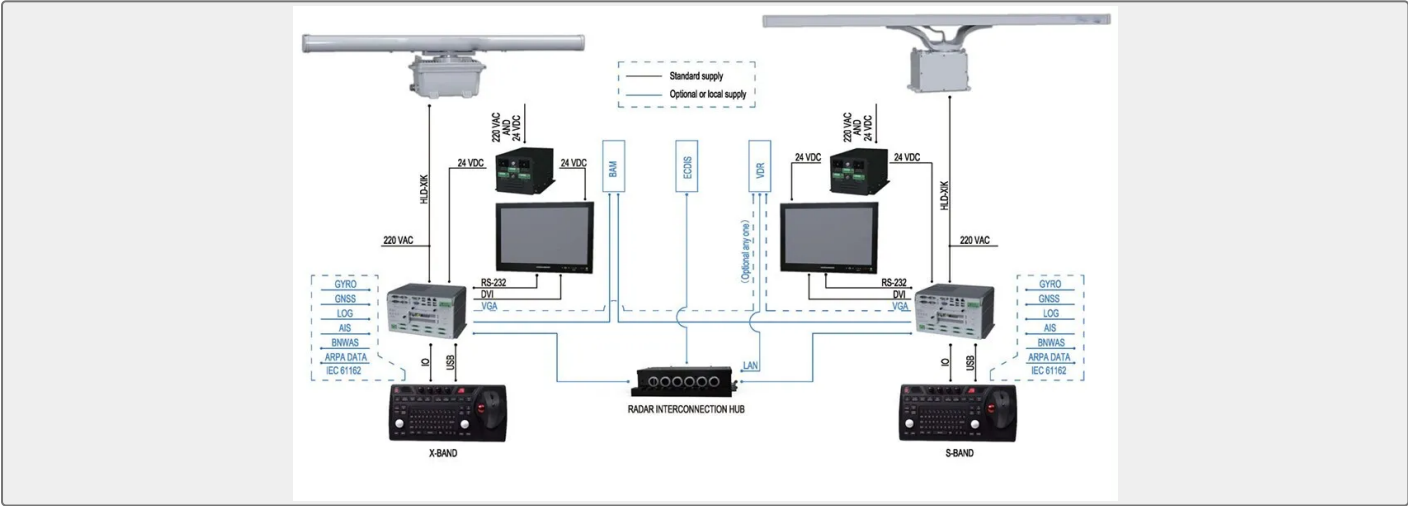
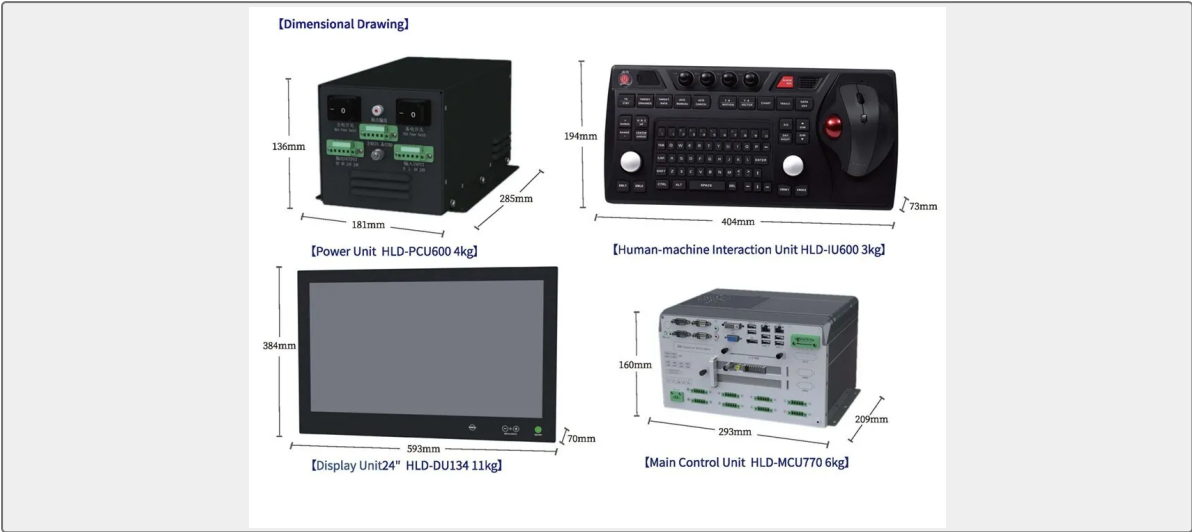
Optional

ECDIS key HLD-LIC900

Console

Tabletop stand

De-icing device



[Technical Specifications]

Frequency Band	X-Band			S-Band
	HLD-AT104	HLD-AT106	HLD-AT108	HLD-AT112
Antenna Length	4ft	6ft	8ft	12ft
Peak Transmission Power	10kw/25kw			30kw
Beam Width	Horizontal	2.0°	1.3°	1.0°
	Vertical	24°		
Operating Frequency	9410±30MHz			3050±15MHz
Antenna Rotational Speed	24rpm/40rpm			24rpm/40rpm
Pulse Width & Repetition Frequency	Short	0.05µs/1800Hz or 3000Hz		
	Medium	0.25µs/1800Hz		
	Long	0.75µs/785Hz		
	Ultra long	1.2µs/500Hz		
Intermediate Frequency	60MHz			
Performance Monitor	System standard part			
Anti Clutter	Sea	Manual/Automatic		
	Rain	Manual/Automatic		
Gain Control	Manual			
Display Resolution (19"/24"/26"/27")	1280*1024	1920*1080	1920*1200	1920*1080
Display Mode	Motion	TM, RM		
	Heading	H Up, N Up, C Up, T Up		
Display Range	0.125-96nm			
ARPA Targets	Up to 100			
Auto Acquisition of Targets	Provided, 2x Automatic Acquisition zone			
AIS Targets	Up to 100			
Association of AIS-ARPA Targets	Provided			
Trail Manoeuvre	Provided			
Chart Radar	Optional			