

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...



Complies with the following regulations:
IEC 60945(2002)incl. Corrigendum 1 (2008)
IEC 61162-1(2018) IEC 61162-2(1998)
IEC 61162-4(2018)
IEC 62288(2014)
IEC 62523-1(2018) IEC 62523-2(2018)
IEC 62388(2013)

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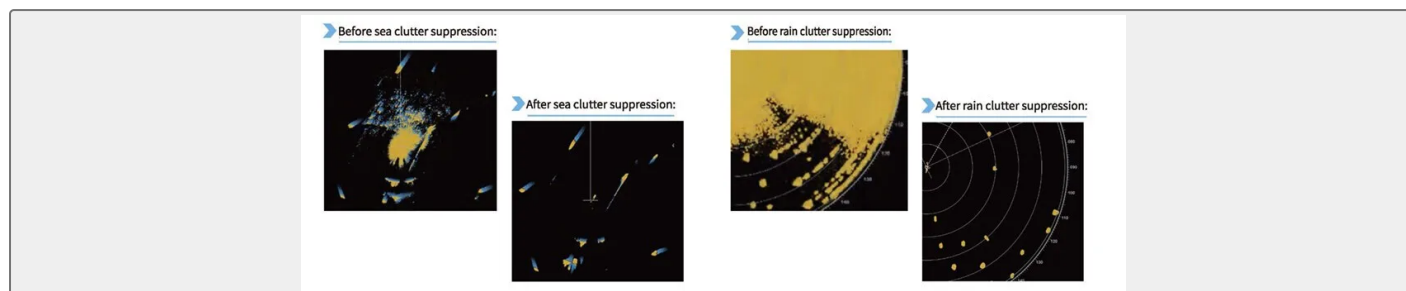
- Automatic tune:
- X-BAND
- Automatic Target Acquisition:
- S-BAND

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:

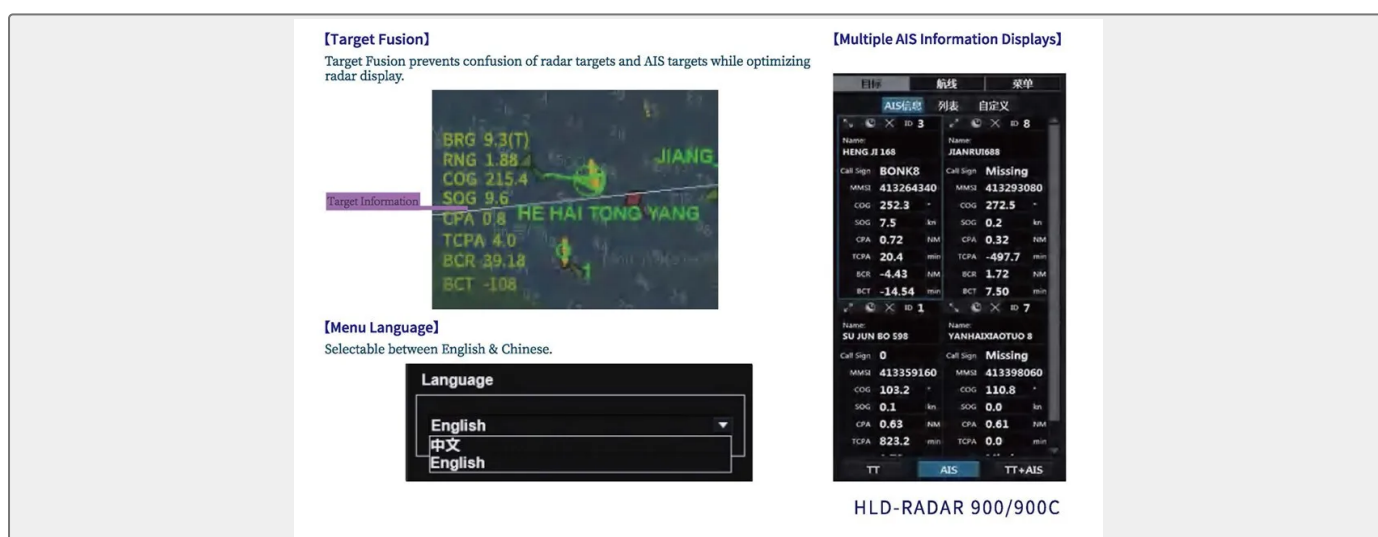
Radar targets are automatically acquired when ever they are within the defined zone. Up to 10,000 targets are automatically tracked.

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:

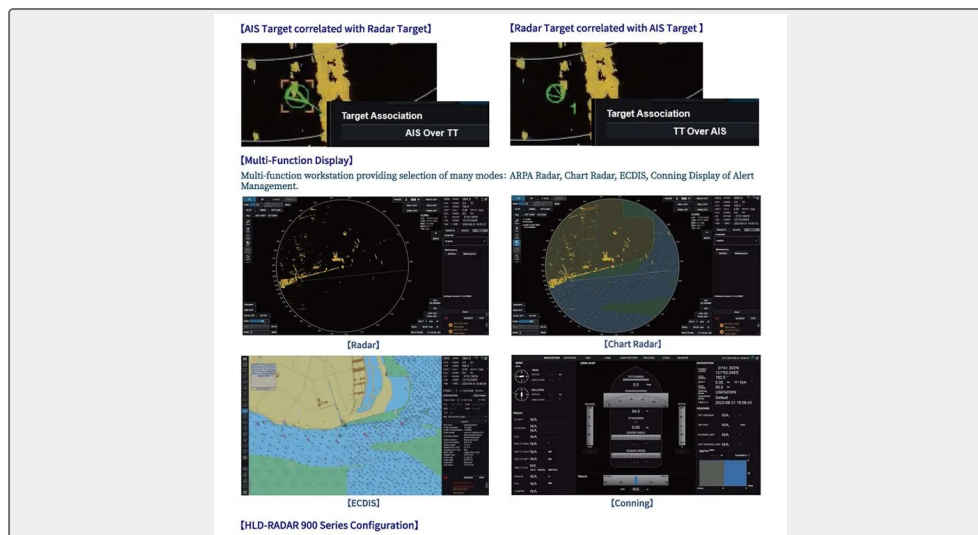
The automatic assisted collision avoidance svstem uses the static and dynamic data of the local ship and the target ship provideby the magnetron radar, combined with the continuous calculation of the collision avoidance algorithm, to provide reasonable collision avoidance suggestions for the crew. Crews 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
Antenna Length		4ft	6ft	8ft
Peak Transmission Power		10kw/25kw		30kw
Beam Width	Horizontal	2.0°	1.3°	1.0°
	Vertical	24°		27°
Operating Frequency		9410±30MHz		3090±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
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		