MARINE COMMUNICATION AND NAVIGATION EQUIPMENT

VHF DSC (Class-A)

VHF DSC (Class-A)   (1) Main function 1.General call 2.DSC System (DSC 70 Channel Watch) Distress call Distress acknowledgement call Distress relay call Individual call Position request call Position to send ...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Communication And Navigation Equipment
Standard	EN
Weight / Size	72 (2).Technical Specifications 1.Overall Specifications Frequency Range...
Certificate	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**	VHF-DSC-Class-A
Standard	EN	**Weight / Size**	72 (2).Technical Specifications 1.Overall Specifications Frequency Range：Tx：156.025-157.425MHz Rx：156.025-163.275MHz Modulation method：FM（16K0G3E）DSC（16K0G2B） Receiving system：Superheterodyne double conversion Frequency tolerance：±10ppm（-20℃+60℃） Power Supply voltage：DC13.8V（±15%） Antenna impedance：50Ω Output impedance：（Audio）8Ω Input impedance：（Microphone）2KΩ Dimensions：W（220）×H（110）×D（109） weight：1350g（±2%） 2.Transmitter Specifications Output power：25W / 1W Modulation limit：≤ ±5KHz Modulation sensitivity：17mV±10mV Audio distortion：≤ 7% Adjacent Channel Selectivity：≥70dB Spurious emissions：≤ -53dB Residual modulation：≥40dBTx Current consumption：High power ≤ 6.0A , Low power ≤ 1.5A（DC13.8V） 3.Receiver Specifications Reference sensitivity：≤ 0.25uV（12dB SINAD） Squelch sensitivity：≤ 0.15uV Modulation receiver bandwidth：≥ 2×5KHz Deep squelch blocking threshold：≥ 5KHz Adjacent channel selectivity：≥ 65dB Intermodulation rejection ratio：≥ 58dB spurious response：≥65dB Audio output power：≥ 2W（8Ω） Audio distortion：≤ 7% GPS Output format：NMEA0183（2.0 or 3.01)
Certificate	CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

- VHF DSC (Class-A)
- (1) Main function
- (2).Technical Specifications

VHF DSC (Class-A)

(1) Main function

1.General call
2.DSC System (DSC 70 Channel Watch)
Distress call
Distress acknowledgement call
Distress relay call
Individual call
Position request call
Position to send call
Individual acknowledgement call
Group Call
All ships call
Sea area call
Semi-automatic telephone service
3.Collision Avoidance alarm display
4.All US, International and Canadian , 10 Weather Channel
5.Priority scan
6.Dual-Watch
7.Tri-Watch
8.Received signal strength indication
9.FM (88-108MHZ) Radio receiver
10.Timing alarm clock
11.Extend speaker louder function
12.User-program channel group
13.64 waypoints stored
14.Navigation function
15.Automatically record incoming messages
Distress messages: 32
Other messages: 32
Collision Avoidance alarm messages: 72

(2). Technical Specifications

1.Overall Specifications
Frequency Range：Tx：156.025-157.425MHz
Rx：156.025-163.275MHz
Modulation method：FM (16K0G3E) DSC (16K0G2B)
Receiving system：Superheterodyne double conversion
Frequency tolerance：±10ppm (-20℃+60℃)
Power Supply voltage：DC13.8V (±15%)
Antenna impedance：50Ω
Output impedance： (Audio) 8Ω
Input impedance： (Microphone) 2KΩ

Dimensions：W (220) ×H (110) ×D (109)
weight：1350g (±2%)

2.Transmitter Specifications

Output power： 25W / 1W
Modulation limit：≤ ±5KHz
Modulation sensitivity：17mV±10mV
Audio distortion：≤ 7%
Adjacent Channel Selectivity：≥70dB
Spurious emissions：≤ -53dB
Residual modulation：≥40dB
Tx Current consumption：High power ≤ 6.0A , Low power ≤ 1.5A (DC13.8V)

3.Receiver Specifications

Reference sensitivity：≤ 0.25uV (12dB SINAD)
Squelch sensitivity：≤ 0.15uV
Modulation receiver bandwidth：≥ 2×5KHz
Deep squelch blocking threshold：≥ 5KHz
Adjacent channel selectivity：≥ 65dB
Intermodulation rejection ratio：≥ 58dB
spurious response：≥65dB
Audio output power：≥ 2W (8Ω)
Audio distortion：≤ 7%
GPS Output format：NMEA0183 (2.0 or 3.01)