

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.

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 : $\pm 10\text{ppm}$ (-20°C+60°C) Power Supply voltage : DC13.8V ($\pm 15\%$) Antenna impedance : 50Ω Output impedance : (Audio) 8Ω Input impedance : (Microphone) 2KΩ Dimensions : W (220) ×H (110) ×D (109) weight : 1350g ($\pm 2\%$) 2.Transmitter Specifications Output power : 25W / 1W Modulation limit : $\leq \pm 5\text{KHz}$ Modulation sensitivity : 17mV$\pm 10\text{mV}$ Audio distortion : $\leq 7\%$ Adjacent Channel Selectivity : $\geq 70\text{dB}$ Spurious emissions : $\leq -53\text{dB}$ Residual modulation : $\geq 40\text{dB}$ Tx Current consumption : High power $\leq 6.0\text{A}$, Low power $\leq 1.5\text{A}$ (DC13.8V) 3.Receiver Specifications Reference sensitivity : $\leq 0.25\mu\text{V}$ (12dB SINAD) Squelch sensitivity : $\leq 0.15\mu\text{V}$ Modulation receiver bandwidth : $\geq 2 \times 5\text{KHz}$ Deep squelch blocking threshold : $\geq 5\text{KHz}$ Adjacent channel selectivity : $\geq 65\text{dB}$ Intermodulation rejection ratio : $\geq 58\text{dB}$ spurious response : $\geq 65\text{dB}$ Audio output power : $\geq 2\text{W}$ (8Ω) Audio distortion : $\leq 7\%$ GPS Output format : NMEA0183 (2.0 or 3.01)
Certificate	CCS	Warranty	12 Months unless specified otherwise
Origin	China		

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 : $\pm 10\text{ppm}$ ($-20^{\circ}\text{C}+60^{\circ}\text{C}$)
 - Power Supply voltage : DC13.8V ($\pm 15\%$)
 - Antenna impedance : 50Ω
 - Output impedance : (Audio) 8Ω
 - Input impedance : (Microphone) $2\text{K}\Omega$

Dimensions : W (220) ×H (110) ×D (109)

weight : 1350g (±2%)

2.Transmitter Specifications

Output power : 25W / 1W

Modulation limit : $\leq \pm 5\text{KHz}$

Modulation sensitivity : $17\text{mV} \pm 10\text{mV}$

Audio distortion : $\leq 7\%$

Adjacent Channel Selectivity : $\geq 70\text{dB}$

Spurious emissions : $\leq -53\text{dB}$

Residual modulation : $\geq 40\text{dB}$

Tx Current consumption : High power $\leq 6.0\text{A}$, Low power $\leq 1.5\text{A}$ (DC13.8V)

3.Receiver Specifications

Reference sensitivity : $\leq 0.25\mu\text{V}$ (12dB SINAD)

Squelch sensitivity : $\leq 0.15\mu\text{V}$

Modulation receiver bandwidth : $\geq 2 \times 5\text{KHz}$

Deep squelch blocking threshold : $\geq 5\text{KHz}$

Adjacent channel selectivity : $\geq 65\text{dB}$

Intermodulation rejection ratio : $\geq 58\text{dB}$

spurious response : $\geq 65\text{dB}$

Audio output power : $\geq 2\text{W}$ (8Ω)

Audio distortion : $\leq 7\%$

GPS Output format : NMEA0183 (2.0 or 3.01)