ICOM

IC-M506GE

GPS
BUILT-IN

SHIP A
SHIP TYPE : CARGO
STATUS : UNDERWAY
SPEED / COURSE : 12.5KT/271°
LENGTH × BEAM : 76M × 12M
DRAUGHT : 3M

SHIP B
SHIP TYPE : OTHER
STATUS : UNDERWAY
SPEED / COURSE : 9.4KT/41°
LENGTH × BEAM : 149M × 30M
DRAUGHT : 4.7M

SHIP C
SHIP TYPE : PASSENGER
STATUS : UNDERWAY
SPEED / COURSE : 8.8KT/185°
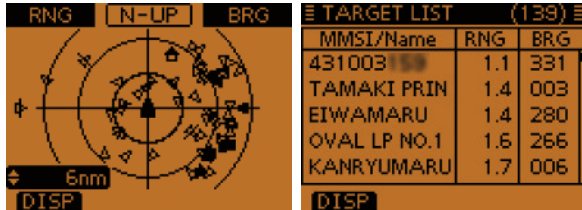LENGTH × BEAM : 62M × 13M
DRAUGHT : 3M

VHF MARINE IC-M506

BUSY 25W INT

16
CALLING

3nm

CH
ENT
CH

MENU   CLEAR

DISTRESS

VOL   SQL   16/C

CH/ENT PWR

H/L   16/C

Advanced Fixed Mount VHF with GPS and NMEA 2000 Connectivity

Integrated AIS Receiver

With an integrated AIS receiver, the IC-M506GE can show real-time AIS vessel traffic information on the display. The AIS target call function allows you to easily set up a DSC individual call. The Plotter, Target list and Danger list can be toggled on the display.

AIS plotter display

Target list example

NMEA 2000™ Connectivity

With the plug-and-play functionality of NMEA 2000, the IC-M506GE can easily connect to a NMEA 2000 network. The IC-M506GE can receive and transmit GPS (position, course (COG) and speed (SOG)), AIS report and DSC call information data and transmit radio frequency and PGN list data on the network. Using this function, the IC-M506GE can convert NMEA 0183 GPS data to NMEA 2000 data for other equipment.

Last Call Voice Recording

The last call voice recording function automatically saves the last two minutes of the last incoming call. You can replay the received call, and not miss any incoming call.

Active Noise Cancelling

Using digital signal processing technology, the built-in bidirectional active noise cancelling provides superb performance. It reduces background noise to up to 90% in the received signal and 30% fixed in the transmitting signal. The function OFF setting is also possible.

Intuitive Menu-Driven User Interface

The intuitive software key functions provide easy and fast operation to control the multiple functions of the IC-M506GE. The bottom line of the dot-matrix display shows the software key functions which can be toggled with the left and right buttons.

Functions menu

25 W Two-Way Hailer

When connected to the optional horn speaker, SP-37, you can talk with crews on the deck or shore from the radio's microphone and can hear any reply via the horn speaker. The RX hailer function allows you to monitor the received audio from the horn speaker. The built-in 25 W amplifier increases your talk power, making it loud and clear.

Built-in Horn (Automatic & Manual)

Four horn patterns are selectable for the automatic horn function when it is connected to the optional SP-37 horn speaker.

VHF MARINE TRANSCEIVER

IC-M506GE

/AIS Receiver

ITU Class D DSC (Meets ITU-R M493-14)

The built-in DSC watch function monitors Ch. 70 (DSC channel) activity, even while you are receiving another channel. DSC functions include: distress, individual, group, all ships, urgency, safety, position request/report, polling request and DSC test calls. Up to 100 DSC address IDs can be programmed.

GPS Receiver Built-in

A built-in GPS receiver with external antenna provides your location, bearing and speed by using information from GPS and GLONASS. The acquired position information can be used for DSC calls.

Supplied GPS antenna (5 m)

IPX8 Advanced Waterproof

The IC-M506GE and supplied HM-205B microphone can withstand 1 m depth of water for 60 minutes.

Other Features

- 15 W audio output power (with external speaker)
- AquaQuake™ draining function
- Optional voice scrambler, UT-112/A for private conversation
- MA-500TR AIS transponder and MarineCommander™ compatible

Optional COMMANDMIC™ for 2nd Station Capability

Full Control and Intercom

The optional COMMANDMIC, HM-195 series provides 2nd station capability for using the IC-M506GE from up to 18.3 m (60 ft)* away such as a separate cabin or tower. Most functions including DSC and AIS functions can be controlled from the COMMANDMIC and can be used as an intercom with the IC-M506GE. One COMMANDMIC can be used.

* Two optional OPC-1541 extension cables required.

IPX7 Waterproof Construction

The HM-195 series withstands submersion in up to 1 m depth of water for 30 minutes.

Same Menu-Driven User Interface with IC-M506GE

The HM-195 series provides same user interface with the IC-M506GE. The directional keypad and softkey buttons allow you to perform various operations and settings. The audio and backlight levels can be set independently from the IC-M506GE.

"Distress" button on the back of the unit

Other Features

- External speaker connection
- Remote power ON/OFF function
- Black and super white color version