

 ICOM

**IC-M330GE**

VHF Transceiver with GPS Receiver

# *Top Performance Ultra Compact VHF*



- Intuitive user interface
- Easy-to-read full dot-matrix display
- New speaker delivers dynamic, clear audio
- Built in GPS receiver and external GPS antenna
- Ultra-compact body (W×H×D; 156.5×66.5×110.1mm)
- IPX7 waterproof construction (1 metre depth of water for 30 minutes)
- Class-leading receiver performance (IMD and selectivity: more than 70dB)
- Built-in Class D DSC with a CH70 dedicated receiver (Meets ITU-R M.493-14)

### • Ultra Compact Body, Flexible Installation

The compact IC-M330GE measures only 156.5 (W) x 66.5 (H) x 110.1 (D) mm making it ideal for a cockpit where space is limited.

### • Intuitive User Interface

A combination of the directional keypad and soft keys provides simple, smooth operation. Most used functions are assigned to soft keys for quick one push function access.

### • New Speaker Delivers Dynamic, Clear Audio

A newly designed speaker delivers distortion-free clear audio even at full volume. It provides dynamic and clear audio over a wide bass and treble range.

### • Class-Leading Receiver Performance

The IC-M330GE's receiver provides reliable communication in RF busy environment like a marina. (Selectivity and IMD: more than 70 dB).

### • Built-in Class D DSC

The radio monitors CH 70 continuously, 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.

### • Built in GPS Receiver and External GPS Antenna

The GPS receiver provides your location, bearing and speed by using information from GPS, GLONASS and SBAS. The acquired position information can be used for DSC calls. An external GPS antenna is supplied to maximise coverage.



Supplied GPS antenna

\*IC-M330GE is the first ICOM fixed marine VHF radio to comply with the latest maritime ITU standard 'ITU-R M493-14'. This standard, in essence, requires an external GPS antenna, ITU-R M493-14 will be compulsory from November 2018. All maritime Class-D fixed radios from all manufacturers will need to comply after this date.

### • And more...

- IPX7 waterproof (1 metre depth of water for 30 minutes).
- AquaQuake™ prevents audio degradation from a water-logged speaker.
- Common NMEA interface for external GPS/NAV connection.
- MA-500TR Class B AIS transponder compatible.
- Tag scan and favourite channel functions.
- Dual/tri-watch function for monitoring CH16 and/or call channel.
- Priority scan function.
- Display and keypad backlighting.
- External speaker connection.
- 3-digit or 4-digit channel display selectable.

## OPTIONS



### HM-235B/W

HAND MICROPHONE  
Same as supplied.

## SPECIFICATIONS

GENERAL		
Frequency range	TX RX CH70	156.000–162.000 MHz 156.000–163.425 MHz 156.525 MHz
Usable channels		INT, USA* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Power supply requirement		13.8 V DC nominal (10.8–15.6 V DC)
Current drain	Tx Rx Max. audio	5 A 1 A
Operating temperature range		–20°C to +60°C
Antenna impedance		50 Ω (SO-239)
Dimensions (W • H • D) (projections not included)		156.5 • 66.5 • 110.1 mm
Weight (approx.)		730 g
NMEA formats	In Out	RMC, GGA, GNS, GLL, VTG DSC, DSE, RMC, GSA, GSV
TRANSMITTER		
Output power		25 W, 1 W
Max. frequency deviation		±5.0 kHz
Frequency stability		Less than ±0.75 kHz
Spurious emissions		Less than 0.25 µW

RECEIVER		
Sensitivity	Main DSC	–5 dB• emf typ. (20 dB SINAD) –5 dB• emf typ. (1% BER)
Squelch sensitivity	Main	Less than –2 dBµ emf
Adjacent channel selectivity	Main DSC	More than 70 dB More than 73 dBµ emf (1% BER)
Spurious response	Main DSC	More than 70 dB More than 73 dBµ emf (1% BER)
Intermodulation	Main DSC	More than 70 dB More than 68 dBµ emf (1% BER)
Hum and noise		More than 40 dB
Audio output power (at 10% distortion, 4 Ω load)		More than 2 W

Measurements made in accordance with EN 301 025-2, -3. All stated specifications are subject to change without notice or obligation.

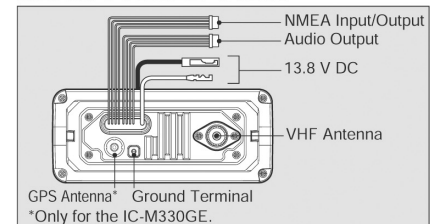
### Applicable IP Rating

Ingress Protection Standard	
Water	IPX7 (Waterproof protection)

### Supplied Accessories

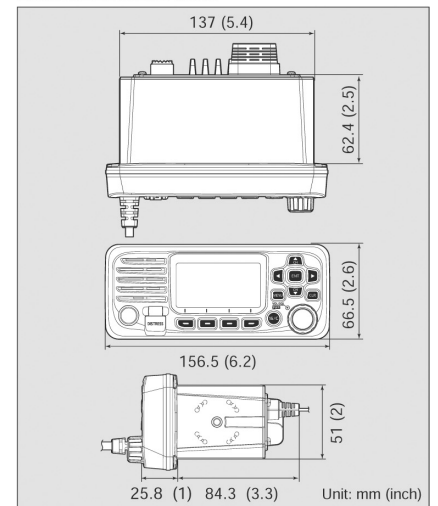
HM-235B Speaker-microphone, Mounting bracket, Mini GPS antenna (5 m cable), DC Power Cable

## REAR PANEL VIEW



GPS Antenna\* Ground Terminal  
\*Only for the IC-M330GE.

## DIMENSIONS



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**Count on us!**