

 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.

\*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.



Supplied GPS antenna

### • 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                                                     | 156.000–162.000 MHz     |
|                                                      | Rx                                                     | 156.000–163.425 MHz     |
|                                                      | CH70                                                   | 156.525 MHz             |
| Usable channels                                      | INT, USA* channels<br>* Available depending on version |                         |
| Type of emission                                     | 16K0G3E (FM), 16K0G2B (DSC)                            |                         |
| Power supply requirement                             | 13.8 V DC nominal<br>(10.8–15.6 V DC)                  |                         |
| Current drain                                        |                                                        |                         |
|                                                      | Tx 25 W output                                         | 5 A                     |
|                                                      | Rx Max. audio                                          | 1 A                     |
| Operating temperature range                          | –20°C to +60°C                                         |                         |
| Antenna impedance                                    | 50 Ω (SO-239)                                          |                         |
| Dimensions (W • H • D)<br>(projections not included) | 156.5 • 66.5 • 110.1 mm                                |                         |
| Weight (approx.)                                     | 730 g                                                  |                         |
| NMEA formats                                         | In                                                     | RMC, GGA, GNS, GLL, VTG |
|                                                      | Out                                                    | 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            | –5 dB• emf typ. (20 dB SINAD) |
|                                                     | DSC             | –5 dB• emf typ. (1% BER)      |
| Squelch sensitivity                                 | Main            | Less than –2 dBµ emf          |
| Adjacent channel selectivity                        | Main            | More than 70 dB               |
|                                                     | DSC             | More than 73 dBµ emf (1% BER) |
| Spurious response                                   | Main            | More than 70 dB               |
|                                                     | DSC             | More than 73 dBµ emf (1% BER) |
| Intermodulation                                     | Main            | More than 70 dB               |
|                                                     | DSC             | More than 68 dBµ emf (1% BER) |
| Hum and noise                                       | More than 40 dB |                               |
| Audio output power<br>(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.

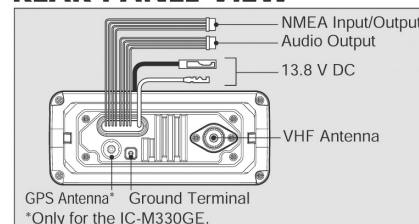
### Applicable IP Rating

| Ingress Protection Standard |                              |
|-----------------------------|------------------------------|
| Water                       | IPX7 (Waterproof protection) |

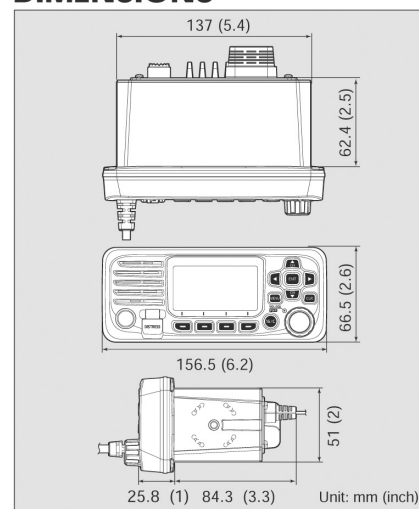
### Supplied Accessories

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

## REAR PANEL VIEW



## DIMENSIONS



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Count on us!