

NEW

A SERIES

Raymarine®

A65

HD Digital Dual Function
Chartplotter / Fishfinder

- 6.5" Sunlight Viewable display
- Patented HD Digital™ fishfinder technology
- Charts included: Navionics® Silver continental U.S. coverage on a single CompactFlash card



HD DIGITAL™



Bracket Mount

Optional Flush Mount

A65 DUAL FUNCTION DISPLAY

A compact, yet powerful navigation system, the A65 Dual Function display combines simplicity with advanced chartplotting and HD Digital™ fishfinder technology. A direct sunlight viewable display and rugged submersible construction make the A65 the perfect choice for center consoles and open cockpits.

KEY DISPLAY FEATURES

- 6.5" Sunlight Viewable color display
- High resolution 640 x 480 pixels (VGA)
- Prismatic light enhancing display with a wide viewing angle
- Rugged submersible construction (IPX-7 standard)
- RS12 12 Channel Satellite Differential GPS receiver (WAAS/EGNOS)
- NMEA 0183 Input and Output
- Plug and Play DSM25 Digital Sounder Module option

DUAL FUNCTION

Choose the A65 as a chartplotter or as a chartplotter/fishfinder. Each A65 is supplied with the highly accurate RS12 GPS antenna/receiver for navigation and chartplotting. The Dual Function chartplotter/fishfinder package also includes the powerful DSM25 digital sounder module for HD Digital™ fishfinder functionality.

A65 Chartplotter System
HD Digital Ready

A65 Dual Function
Chartplotter/Fishfinder System



Complete system includes A65 display, RS12 GPS sensor, DSM25 digital sounder module, and transom transducer



Optional Transducer
Optional thru-hull and in-hull transducers available. Visit our website www.raymarine.com to learn more.



DSM25

HD DIGITAL FISHFINDER

Harnessing the power of Raymarine's HD Digital™ fishfinder technology, the A65 and the DSM25 digital sounder module offer unmatched fishfinder clarity and precision. Raymarine's patented HD Digital™ technology enables the DSM25 to instantly adapt to changing water and seabed conditions, delivering a dramatically clearer picture than ordinary analog fishfinders. Plus HD Digital™ technology enables true "hands-free" automatic operation for an optimal fishfinder display at all times.

KEY FISHFINDER FEATURES

- Enhanced fishfinder performance using the remotely mounted DSM25 Digital Sounder Module
- 500 Watts RMS output power
- Dual frequency (50/200 kHz) for excellent inshore and offshore performance
- Hands-free HD Digital™ technology automatically adjust more than 220 sonar parameters per second and virtually eliminates clutter
- HD Digital™ adaptive receiver technology precisely targets fish and bottom structure with amazing clarity
- Transom, In-Hull, Trolling motor and thru-hull transducer options

HD DIGITAL™



CHARTPLOTTER

Each A65 is supplied with Navionics® Silver coastal cartography for the continental US (including Great Lakes). Simply place the high capacity Navionics® Silver CompactFlash card in the A65 and detailed marine charts of the entire U.S. are at your fingertips. Seamless chart technology ensures a clutter free, yet detailed chart presentation with tides, currents, shaded depth contours, navigation aids, spot soundings and more.

KEY CHARTPLOTTER FEATURES

- Ready-to-go Navionics® Silver coastal chart coverage for the continental US on a single CompactFlash card (US version only)
- Navionics XL3 Gold chart and Hot Maps compatible
- High speed chart redraw
- 1,000 waypoints and 50 routes with unlimited waypoint and route storage using optional CompactFlash memory cards
- Chart rotation modes (Head up, Course up and North Up)
- Chart screen offset for a maximum "look ahead" chart display



Charts Included!

The A65 is supplied with coastal chart coverage for the continental United States on a single CompactFlash card.





A65

Dimensions	(W x H x D) 9.61 x 6.81 x 2.40 in. (244 x 173 x 61mm), dash mounted 11.0 x 7.83 x 3.11 in (280 x 199 x 79 mm), bracket mounted
Weight	2.25 lbs (1.02 kg), dash mounted 3.09 lbs (1.40 kg), bracket mounted
Mounting	Bracket with flush mount option
Power	External 10.7 - 32 VDC required, 13.8 VDC nominal Consumption with full brightness: 9 W
Waterproofing	IPX-7; suitable for external mounting
Display	6.5 in Color TFT LCD 640 x 480 pixels (VGA)
Display Windows	Chart, Fishfinder and Data
Languages	UK English, US English, Danish, Dutch, Finnish, French, German, Icelandic, Italian, Norwegian, Portuguese, Russian, Spanish, Swedish
System Alarms	Alarm clock, Anchor, Arrival, Deep depth, MOB, Offtrack, Shallow depth, Temperature, Timer
Interfaces	RS12 GPS Antenna
DSM25 Sounder	NMEA0183, receive and transmit
CompactFlash	card slot
Cartography	Navionics Silver coastal chart coverage for the continental United States on a single CompactFlash card Chart of the world built in
Modes	Head up, Course up or North up (selectable True or Magnetic) Relative or True Motion



DSM 25

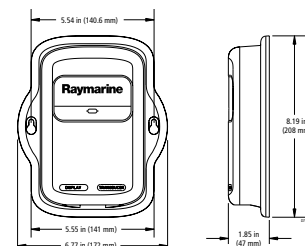
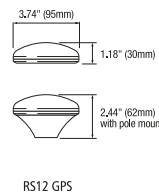
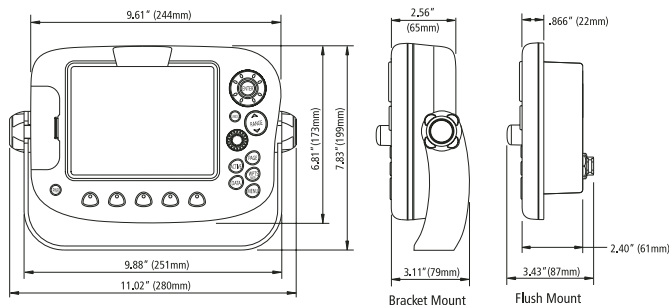
Dimensions	(W x H x D): 6.77 x 8.19 x 1.85 in (172 x 208 x 47 mm)
Weight	13.7 oz (0.388 kg)
Mounting	Bulkhead
Power	Supplied by A65
Waterproofing	IPX-7 Submersible
Output Power	Adjustable to 500 watts RMS
Frequency	Dual 50 kHz and 200 kHz
Pulse Length	100 µsec to 4 msec
Max. Trans-mit Rate	1580 pulses / min. @ 50' range
Gain:	Auto/manual

RS 12 GPS

Dimensions	Diameter: 3.7 in (95 mm)
Height	1.2 in (30 mm); 2.4 in (62 mm) with pole mount kit
Weight	15.3 oz (0.435 kg)
Waterproofing	CFR46
Receiver type	SD-GPS, WAAS/EGNOS/MSAS ready, 12 parallel channels
Frequency	1575.42 MHz ±1 MHz (C/A code), L1
Sensitivity	Tracking sensitivity: -152 dBm Acquisition sensitivity: -139dBm
Signal acquisition:	Automatic Time to first fix (TTFF): Hot start < 6 seconds (typical); Warm start < 40 seconds (typical), Cold start < 60 seconds (typical)
Position accuracy	2DRMS ~ 2 m 95%
Speed accuracy	0.1 kts RMS
Geodetic datum	WGS-84
Cable length	10 m (33 ft)

ORDERING INFORMATION

Order Number	
E33020	A65 Chartplotter System with RS12 GPS (HD Digital Ready)
E63070	DSM25 Digital Sounder Module for the A65 (transducer sold separately)
E33023	A65 Dual Function Chartplotter/Fishfinder System Pack (includes A65, RS12 GPS, and transom mount transducer)



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