

Raymarine®

PERFORMANCE MARINE ELECTRONICS





Raymarine products are engineered to deliver the very best in visual navigation information and with a legacy of marine technology spanning over 80 years, we are renowned today for ease-of-use, rugged design, and reliability. We are constantly innovating to deliver high-performance sensors and intelligent navigation systems so your time on the water is stress-free and fun. We are committed to you with an industry-leading warranty and worldwide service network. Whether you fish, sail, or cruise you can get underway with the confidence of Raymarine on board.

CONTENTS

- 01 LightHouse™ II MFD Operating System
- 04 eS Series HybridTouch Displays
- 08 aSeries MultiTouch Displays
- 12 cSeries and eSeries Multifunction Displays
- 14 gS Series Glass Bridge Displays
- 18 Charts
- 20 Video Cameras
- 22 Radar Scanners
- 26 Dragonfly Sonar/GPS Displays
- 32 Sonar Modules
- 40 Evolution Autopilots
- 48 Thermal Imaging Cameras
- 54 Instruments
- 60 Digital Switching
- 64 AIS
- 66 VHF Radios
- 68 Satellite TV
- 70 Pricing





LIGHTHOUSE™ II OPERATING SYSTEM

LIGHTHOUSE II

The easy-to-use operating system inside every Raymarine multifunction display, LightHouse II puts you in command with a fluid touch-screen or HybridTouch™ user experience. LightHouse II lets you navigate with the best charts and makes navigating as simple as using a smartphone.



SonarChart Live

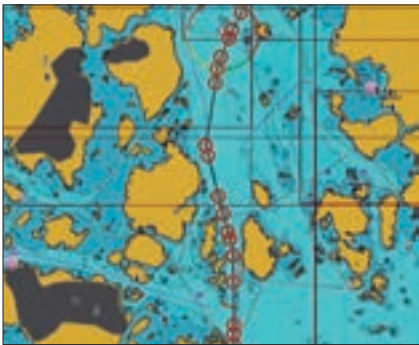


GRIB View Global Weather



Dock to dock





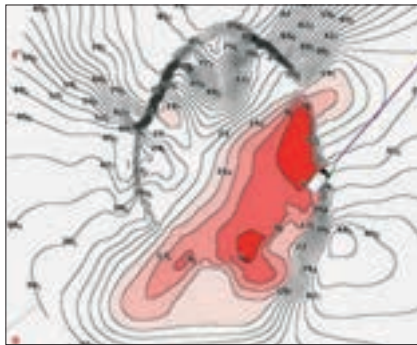
Dock to dock

DOCK TO DOCK AUTOROUTING WITH NAVIONICS

R17 introduces a new and improved Autorouting feature from Navionics.

Based on chart data and navigation aids, Autorouting creates detailed routes (even through narrow passages and channels) using a superior Autorouting algorithm.

The system automatically accounts for channel markers and buoys, and routes along Fairways rather than the shortest distance - with added warnings on complicated routes.



SonarChart Live

NAVIONICS SONARCHART LIVE

SonarChart™ Live works with Raymarine multifunction displays, allowing boaters to create personal 1 ft/0.5 m HD bathymetry maps in real time. With SonarChart Live, Raymarine users can engage their sonar to survey new areas or places where bottom conditions may have changed, and then create new bathymetric charts that appear on their device instantly.



Weather

GRIB VIEW - GLOBAL WEATHER

The new GRIB View home screen app brings global weather forecasts to your Raymarine Multifunction Display.

Supported weather options include:

- Subscribe to Their High Resolution global weather forecasts downloaded over WiFi
- Display free standard GRIB forecast files read from a microSD card

NEW AUDIO APP WITH ROCKFORD FOSGATE INTEGRATION

LightHouse R17 brings a new audio app for control of NMEA 2000 marine audio equipment. Turn up the volume, change tracks and more. The new LightHouse audio app gives you complete control of your entertainment system.

Other features include:

- Two independent zones (ability to play two sources)
- Bluetooth streaming, USB media, Auxiliary inputs and FM / AM radio reception
- Playlists, track information, full control from the multifunction display



Rockford Fosgate

Raymarine has partnered with Rockford Fosgate and offers compatibility with Rockford's line of premium marine audio systems.

LIGHTHOUSE II AND FLIR THERMAL MONITORING

LightHouse II Multifunction Displays can now monitor engine rooms and other onboard machinery using the FLIR AX8 marine thermal monitoring system. The FLIR AX8 keeps a watchful eye on critical equipment such as engines, exhaust manifolds, and shaft bearings and lets captains spot problems before they become costly repairs.



REGULAR LIGHTHOUSE UPDATES

LightHouse is an expanding user interface with regular downloadable FREE updates. Make sure you are up to date with latest features including LightHouse charts available from www.raymarine.com/software





eS SERIES

THE SMARTER
MULTIFUNCTION
DISPLAY



Whether you fish, sail, or cruise the open water, eS Series' advanced LightHouse II operating system with HybridTouch™ gives you total control. With the choice of responsive touch screen or keypad control, eS Series puts navigation, sensors, safety, and entertainment at your fingertips.

RUGGED ERGONOMIC DESIGN

- The sleek glass bridge design of eS Series will enhance any helm station with bracket, surface and completely flush mounting options.
- Mount eS Series anywhere – flush and bracket mounted hardware included.
- Super-bright displays with optical bonding technology deliver sharp colours and contrast in all lighting conditions.





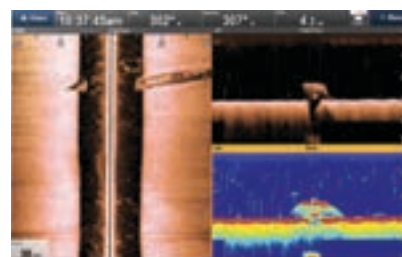
HYBRIDTOUCH™

HybridTouch technology offers a choice of intuitive touch screen interaction with pinch-to-zoom or full keypad control when seas are rough.



MULTIFUNCTION ROTARY CONTROL

Innovative Multifunction Rotary Control combines precise cursor and menu adjustments into a single point of control.



SUPERIOR SONAR

Go Hunting Underwater with eS Series and Raymarine high-fidelity Sonar.

HIGH-FIDELITY CHIRP SONAR

- Internal wide-spectrum CHIRP DownVision™ on eS78, eS98 and eS128 models.
- High performance CHIRP SideVision™ compatible with optional CP200.



LIGHTHOUSE II – THE POWER BEHIND RAYMARINE MFDS

LightHouse™ II is the User Interface (UI) that powers Raymarine multifunction displays. LightHouse is updated regularly to bring you new and exciting features. Best of all, updates are FREE so your hardware is always up-to-date.



AUTOMATIC ROUTE BUILDING

Automatically plots the best route between two points using Navionics or C-MAP charts.

FAST ACQUISITION GPS

- Built-in GPS/GLONASS receiver provides rapid position updates and ultra-fast satellite acquisition.
- Optional GA-150 external antenna connection (eS9 and eS12 only).





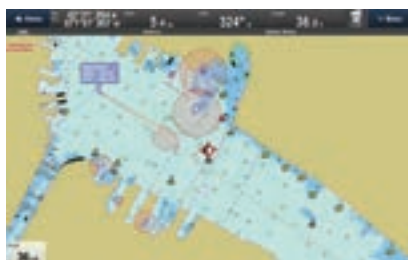
MOBILE

Access your eS Series from anywhere on board. Built-in Wi-Fi allows you to stream to Raymarine mobile apps (RayView, RayRemote, RayControl) as well as transfer routes and markers, upload sonar logs and update Navionics charts with Navionics Boating apps.

STAY SAFE WITH THERMAL NIGHT VISION

- Easy-to-use. As simple as watching and controlling your TV.
- Day and night operation.
- The best man-overboard detection.
- Slew-to-cue* improves situational awareness and safety. Thermal camera automatically keeps “cued” targets in view at all times.

* Slew-to-cue functionality available on select FLIR cameras.



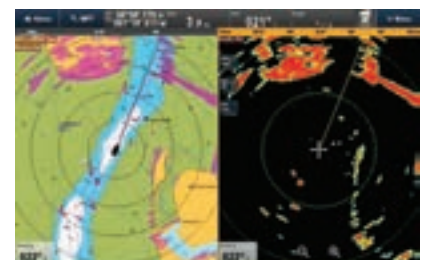
COLLISION AVOIDANCE

Intuitive Target Interception graphic overlays for tracking AIS targets.



DIGITAL SWITCHING

Control lighting, monitor AC and DC electrical systems, remotely monitor fluid tanks and battery levels and much more.



RADAR

Display radar data with an optional Raymarine Digital, HD Color, Super HD Color, or Quantum radar antenna.



ENGINE MONITORING

Monitor engine and fuel performance using NMEA 2000 or Raymarine’s exclusive ECI-100 Universal Engine and Control Interface.



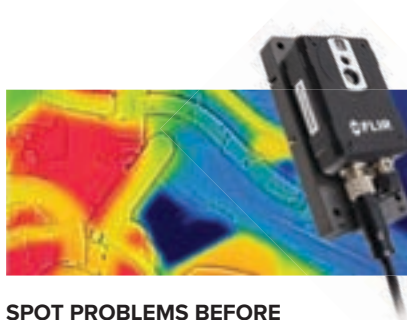
EVOLUTION AUTOPILOTS

Experience full autopilot control directly from your eS Series display by connecting the Evolution autopilot.



GRIB VIEWER WEATHER APP

The new GRIB Viewer home screen app brings global weather forecasts to your Raymarine Multifunction Display.



SPOT PROBLEMS BEFORE THEY HAPPEN

Stream live thermal video of exhaust manifolds, propeller shafts, electrical panels, and other machinery with the FLIR AX8 thermal monitoring system.



RMK-10 REMOTE

The optional RMK-10 Remote keypad gives you full control of single or multiple displays from a remote location.

SPECIFICATIONS

LCD SCREEN SIZES

- eS7: 7in
- eS9: 9in
- eS12: 12.1in

DISPLAY RESOLUTION

- eS7/eS9: 800x480
- eS12: 1280x800

VIEWING ANGLES

- eS7: Top / Bottom: 60 deg / 70 deg
Left / Right: 70 deg / 70 deg
- eS9/12: Top / Bottom: 80 deg / 80 deg
Left / Right: 80 deg / 80 deg

SCREEN BRIGHTNESS

1,250 nits

MOUNTING OPTIONS

Flush, bracket, or rear panel mount

WATERPROOF RATING

IPX6/IPX7

NETWORKING

Ethernet/NMEA 0183/NMEA2000/Wi-Fi/Bluetooth

MEMORY CARD SLOTS

Two MicroSD slots (up to 32GB each)

VOLTAGE

12V / 24V DC (10.8 V DC to 31.2V DC)

POWER CONSUMPTION (FULL BRIGHTNESS)

- eS7: 7.97W
- eS8: 11.7W
- eS9: 20W
- eS12: 29.6W



ONBOARD VIDEO MONITORING

eS Series MFDs support IP cameras (requires ONVIF compatibility) including record and playback facilities. eS Series also support analogue and thermal video

Images for illustrative purposes only. Product information subject to change without prior notice



Quantum CHIRP Radar

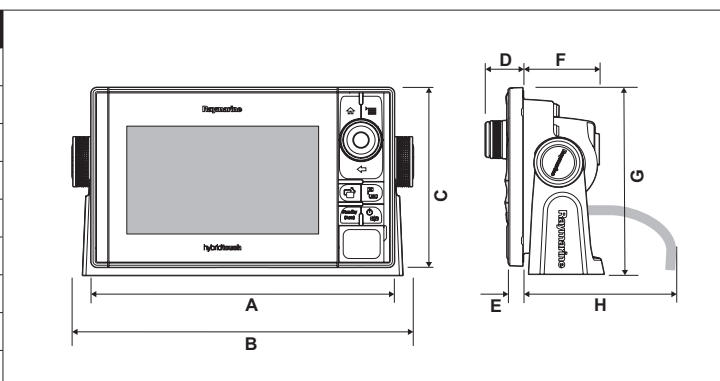


WHAT'S IN THE BOX eS SERIES



- (1) Multifunction display
- (2) Panel Seal Gasket
- (3) 1.5 m (4.9 ft) Power cable
- (4) Sun Cover
- (5) Trunnion bracket and knobs
- (6) Documentation pack
- (7) Bezel pieces and Home/Menu button
- (8) Fixing sets
- (9) 2m Raynet network cable
- (10) ST^{NG} to DeviceNet (NMEA2000) adapter

eS SERIES DIMENSIONS			
	eS7	eS9	eS12
A	244.2mm (9.6in.)	299.3mm (11.8in.)	358mm (14in.)
B	275.2mm (10.8in.)	332mm (13in.)	390.5mm (15.4in.)
C	144.7mm (5.7in.)	173.8mm (6.8in.)	222.8mm (8.8in.)
D	31mm (1.2in.)	32mm (1.3in.)	31.9mm (1.3in.)
E	12.5mm (0.49in.)	13.5mm (0.53in.)	13.5mm (0.53in.)
F	61.9mm (2.4in.)	64.7mm (2.6in.)	64.4mm (2.5in.)
G	152.5mm (6in.)	184.6mm (7.3in.)	244.5mm (9.6in.)
H	150mm (5.9in.)	150mm (5.9in.)	150mm (5.9in.)





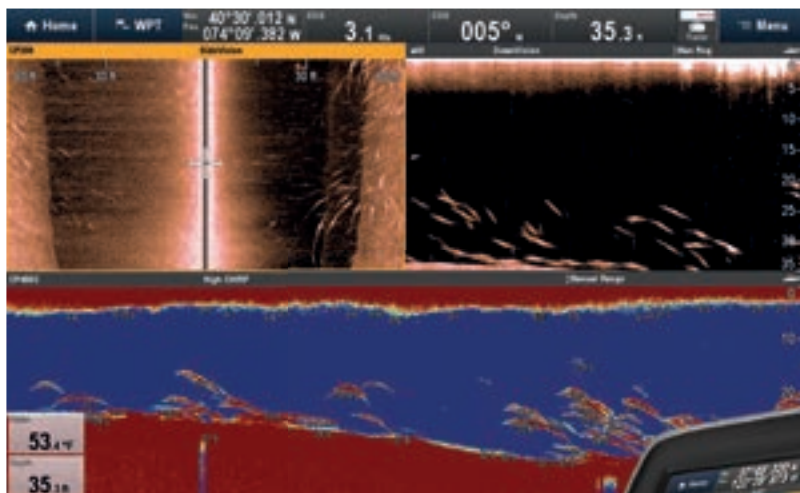
aSERIES

TOUCH SCREEN
NETWORK MULTI-
FUNCTION DISPLAYS



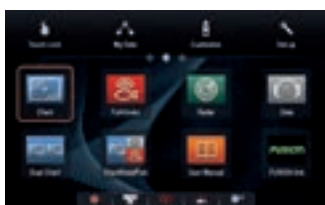
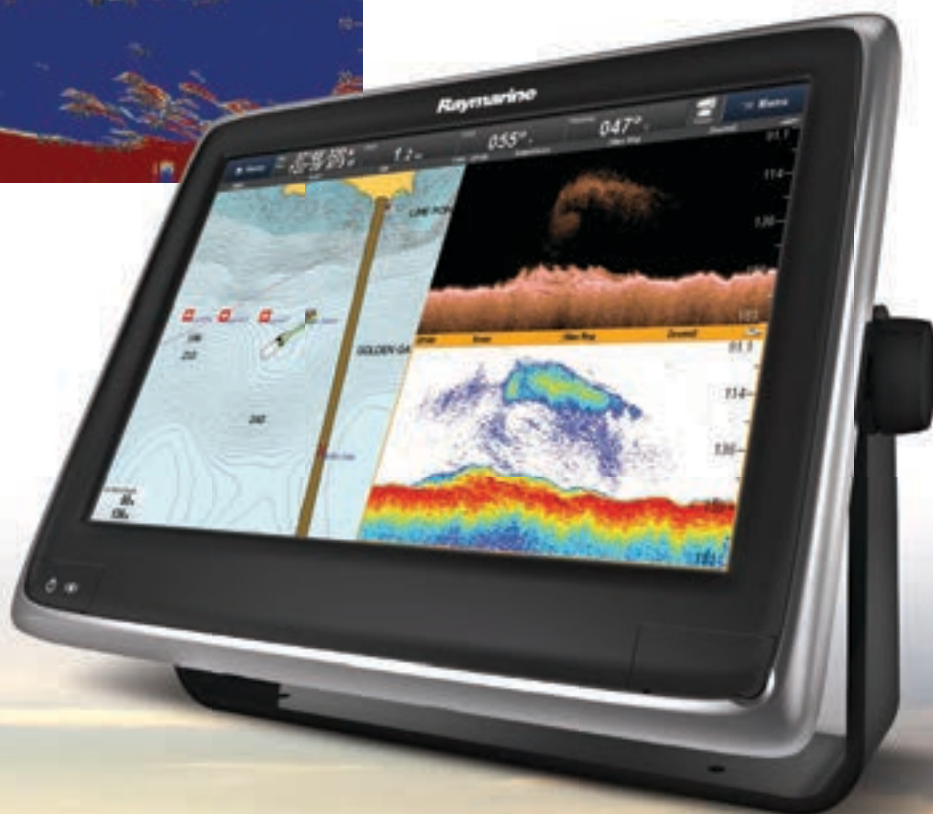
Powerful, go-anywhere, navigation; aSeries multifunction displays deliver the speed and simplicity of Raymarine technology in sleek, compact, touch screen displays.

- Swipe, Touch and Navigate – very easy
- Powered by Raymarine's intuitive LightHouse II user-interface
- Super-fast dual-core processor
- Powerful dedicated graphics processor
- Super-bright LED Technology – sunlight viewable, high-contrast display
- Available with built-in Wi-Fi



SONAR (CHIRP/CHIRP DOWNVISION)

- aSeries with built-in sonar is the perfect choice for anglers looking for a powerful do-it-all combo
- a68, a78, a98, and a128 feature CHIRP sonar to target fish and Raymarine's exclusive CHIRP DownVision sonar for photo-realistic images of structure
- a67, a77, a97, and a127 feature an integrated digital sonar, ideal for coastal fishing and the occasional offshore venture



LIGHTHOUSE II – THE POWER BEHIND RAYMARINE MFDS

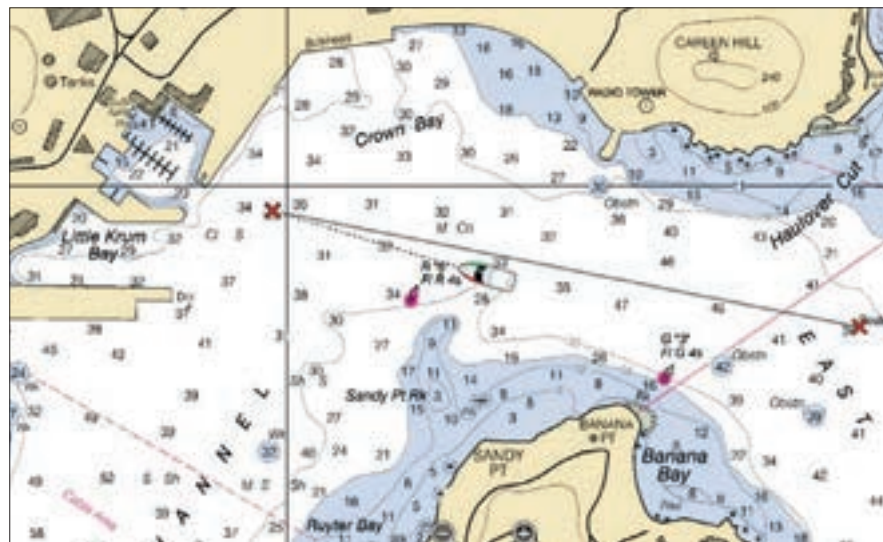
LightHouse™ II is the User Interface (UI) that powers Raymarine multifunction displays. LightHouse is updated regularly to bring you new and exciting features. Updating could not be easier: either download manually from Raymarine.com, or connect your MFD to any Wi-Fi hotspot for instant, over-the-air updating of your display and peripheral devices. Best of all, updates are FREE so your hardware is always up-to-date.





ONBOARD VIDEO MONITORING

aSeries MFDs connect with Raymarine IP video cameras and the FLIR AX8 thermal monitoring system. See all the action, record video, and take snap shots. You can even playback video right from the display. The a9 and a12 models also support analogue video from entertainment sources or T-Series thermal cameras.



Raymarine



C-MAP



Navionics



THE BEST CHARTS

LightHouse II gives users the freedom to choose the very best charts from C-MAP, Navionics, and Raymarine's expanding LightHouse chart catalogue.



aSERIES VARIANTS

Choose aSeries multifunction displays bundled with Navionics, C-MAP, or Raymarine LightHouse charts. For a complete list of aSeries with charts bundled together, please refer to the pricing guide at the back of this brochure.

RADAR

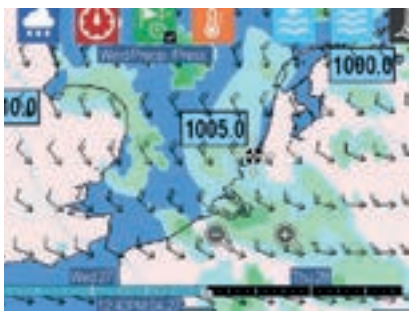
Display radar data with an optional Quantum CHIRP Radar, HD Color or Super HD Color radar scanner.

NETWORKING

- Fast RayNet Ethernet port (SeaTalk^{hs} compatible)
- Network up to 10 Raymarine MFDs
- Network Raymarine Quantum and HD Color Radar scanners, CHIRP Sonar modules, and more!
- NMEA 2000 and SeaTalk^{ng} connectivity



Quantum CHIRP radar



GRIB VIEWER WEATHER APP

The new GRIB Viewer home screen app brings global weather forecasts to your Raymarine Multifunction Display.



ENGINES DATA DISPLAY

Connect with NMEA 2000 compatible engines for graphical engine data displays. Monitor up to 5 engines at any one time.



INSTRUMENT DISPLAYS

Sharp, easy-to-read analogue and digital instrument graphics transform aSeries into a powerful information display



REMOTE CONTROL

The optional RMK-10 Remote Keypad gives you full control of single or multiple aSeries displays from a remote location. The keypad can be used in portrait or landscape orientation.



MOBILE

Access your aSeries from anywhere on board. Built in Wi-Fi allows you to stream via Raymarine mobile apps as well as transfer routes and markers, upload sonar logs and update charts with Navionics Boating apps.

SPECIFICATIONS

NOMINAL VOLTAGE SUPPLY

a6: 12 Vdc | a7: 12 Vdc | a9: 12 or 24 Vdc | a12: 12 or 24 Vdc

OPERATING VOLTAGE RANGE

a6: 10.2 – 15.6 Vdc | a7: 10.8 – 15.6 Vdc | a9: 10.8 – 31.2 Vdc | a12: 10.8 – 31.2 Vdc

WATERPROOFING STANDARD

IPX6 and IPX7

DISPLAY SIZE

a6: 5.7" | a7: 7.0" | a9: 9.0" | a12: 12.1"

DISPLAY RESOLUTION

a6: 640 x 480 (4:3) | a7: 800 x 480 (16:9) | a9: 800 x 480 (16:9) | a12: 1280 x 800 (16:9)

Wi-Fi

802.11 b / g

BLUETOOTH

Bluetooth 2.1 + EDR power class 1.5 (supported profile: AVRCP 1.0)

WIRED CONNECTIVITY

- a6 and a7
NMEA2000
Network (Raynet)
- a9 and a12
NMEA0183
NMEA2000
Network (Raynet)
- GA150 GPS Antenna
Video input

Images for illustrative purposes only. Product information subject to change without prior notice

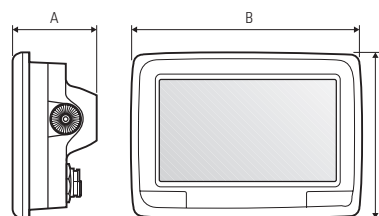
**WHAT'S IN THE BOX
aSERIES**



- (1) Front bezels (a6 and a7: 1x metallic silver bezel. a9 and a12: 1x metallic silver bezel, 1x matt black bezel)
- (2) Multifunction Display (MFD)
- (3) Mounting gasket
- (4) Sun cover
- (5) Trunion bracket kit
- (6) Documentation pack
- (7) (a9 and a12) SeaTalk^{rs} to DeviceNet adaptor kit
- (8) 4x nuts, bolts, spring washers and washers (can be used for either surface or bracket mounting)
- (9) (a9 and a12 only) 1m (3.3ft) SeaTalk^{rs} spur cable
- (10) (a9 and a12 only) 2m (6.6ft) RayNet cable
- (11) (a6 and a7) Power cable
- (12) (a9 and a12) Power and data cable (Power/NMEA/Video)

aSERIES DIMENSIONS

	A		B		C	
	mm	in	mm	in	mm	in
a6	71	2.79	164	6.45	144	5.66
a7	73.6	2.89	205	8.07	147	5.78
a9	82.6	3.25	250	9.84	189.5	7.46
a12	84.1	3.31	318	12.5	238.3	9.38





cSERIES AND eSERIES

HIGH PERFORMANCE
NETWORK
MULTIFUNCTION
DISPLAYS



RAYMARINE ANYWHERE ONBOARD

Take control of eSeries from your tablet
or smartphone using built-in
Wi-Fi and Raymarine mobile apps.

Harness the full power of Raymarine navigation technologies with eSeries and cSeries multifunction displays. Raymarine multifunction displays are the perfect fit. Configure eSeries and cSeries as a single all-in-one chart, radar, and sonar navigation display or expand into a navigation network with multiple displays, CHIRP DownVision™ and CHIRP SideVision™ sonar, thermal night vision and more.

eSERIES MFDS WITH HYBRIDTOUCH™

eSeries HybridTouch display allows simple touch screen control or take command with the rotary Unicontroller and keypad – the choice is yours.

cSERIES WITH KEYPAD CONTROL

The perfect combination of performance and value, cSeries with keypad control offers confident control and ease of use.



SPECIFICATIONS

LCD SCREEN SIZES

c9: 9in
c12: 12.1in
e165: 15.4in

DISPLAY RESOLUTION

c9: 800x480
c12: 1280x800
e165: 1280x800

MOUNTING OPTIONS

Surface mount. Trunnion mount with optional bracket.

WATERPROOF RATING

c9/c12: IPX6
e165: IPX6 and IPX7

NETWORKING

c9/c12: Up to 8 displays plus sensors

MEMORY CARD SLOTS

Two MicroSD slots (up to 32GB each)

GPS

Built-in 50 channels; WAAS, EGNOS and MSAS. e165 requires external GPS sensor

WIRELESS CONNECTIVITY

WiFi: 802.11 b/g;
Bluetooth: AVRCP 2.1+EDR power class 1.5.

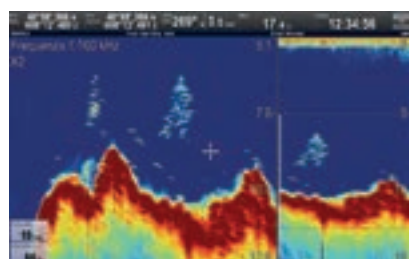
VOLTAGE

12V/24V dc

OPERATING VOLTAGE

10.8V dc to 31.2V dc

Images for illustrative purposes only. Product information subject to change without prior notice



SUPERIOR BUILT-IN DIGITAL SONAR (OPTIONAL)

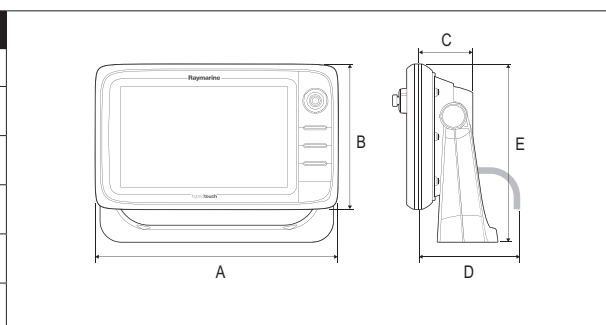
Choose built-in Digital sonar or step up to more power and high resolution CHIRP sonar technology with optional network CHIRP DownVision™ and SideVision™ sonar modules.

WHAT'S IN THE BOX cSERIES & eSERIES



- (1) Sun cover
- (2) Front bezel
- (3) Multifunctional display
- (4) Rear bezel
- (5) Gasket
- (6) Fixings for surface mounting
- (7) Documentation pack
- (8) Power and data cable
- (9) Trunnion bracket kit (e7 only)

c SERIES AND eSERIES DIMENSIONS			
	c9	c12	e165
A	289.6mm (11.4in.)	353.6mm (13.93in.)	426mm (16.8in.)
B	173.1mm (6.81in.)	222mm (8.74in.)	281.4mm (11.1in.)
C	63.9mm (2.5in.)	68.9mm (2.71in.)	69.8mm (2.75in.)
D	160mm (6.29in.)	160mm (6.29in.)	160mm (6.29in.)
E	212mm (8.35in.)	256.5mm (10.1in.)	292mm (11.5in.)





gS SERIES

PREMIUM
GLASS BRIDGE
MULTIFUNCTION
NAVIGATION DISPLAYS



Elegant, flexible and simple to use, gS Series multifunction displays will transform your helm station into a powerful glass bridge navigation system. A step above black-box systems, each gS Series display is a smart, self-contained multifunction navigation display equipped with Raymarine's fastest dual-core processor plus a third dedicated-graphics processor, delivering super-fast and responsive performance.

STAY INFORMED

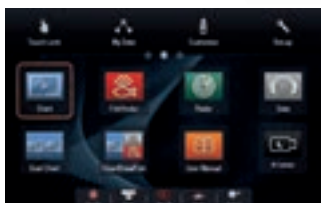
Display the full suite of navigational information, graphics and data in stunning clarity. Network gS Series with NMEA 2000 engine instruments and access engine and fuel consumption data. For engines with J1939 interface protocols, the optional ECI-100 Universal Engine and Control Interface bridges engine data to the gS Series network.

A PERFECT FIT

The edge-to-edge glass appearance of gS Series allows the displays to be completely flush-mounted in the helm panel for an attractive and integrated navigation experience.

TOUCH OR REMOTE CONTROL

Enjoy fluid and effortless full touch-screen interaction with Raymarine's easy-to-use LightHouse II user interface or interact with any gS Series display from a single RMK-10 remote keypad.



LIGHTHOUSE II – THE POWER BEHIND RAYMARINE MFDS

LightHouse™ II is the User Interface (UI) that powers Raymarine multifunction displays. LightHouse is updated regularly to bring you new and exciting features. Best of all, updates are FREE so your hardware is always up-to-date.



HD VIDEO INPUT AND OUTPUT

HDMI output enables connection to remote monitors or big screen TVs. Connect gS Series to your TV in the saloon and take control of the system with your tablet or smartphone via Raymarine mobile apps. HD-SDI video input on gS195.



DISPLAYS

- Four display sizes 9.0", 12.1", 15.4" or 19"
- Ultra-bright sunlight-viewable LCD
- Optically bonded for sharp colour and contrast
- Low power consumption LED backlighting

CONNECTIVITY

- 2x composite analogue video input for thermal cameras and entertainment
- HDMI video output
- HD-SDI video input on gS195
- Each gS Series display is equipped with 3x RayNet POE Ethernet ports with integrated network switching for simple, reliable connectivity
- NMEA 2000 support using SeaTalk^{ng} cabling
- NMEA 0183 input and output
- Built in Wi-Fi for syncing with Raymarine mobile apps on smartphones or tablets
- Bluetooth connectivity to smartphones with remote audio controls
- External alarm connection



Quantum CHIRP Radar



RADAR

Display radar data with an optional Raymarine Digital, HD Color, Super HD Color or Quantum radar antennas.



COLLISION AVOIDANCE

Intuitive Target Interception graphic overlays for tracking AIS targets.



DIGITAL SWITCHING

Control lighting, monitor AC and DC electrical systems, remotely monitor fluid tanks and battery levels and much more.



EVOLUTION AUTOPILOTS

Experience full autopilot control directly from your gS Series display by connecting the Evolution autopilot.



THERMAL IMAGING

Integrate thermal night vision technology to enhance your situational awareness in limited visibility.



VIDEO

Monitor the engine room, crew quarters or docking. The gS195 also features HD-SDI video input for high-definition serial digital interface capable cameras.



RMK-10 REMOTE

The optional RMK-10 Remote keypad gives you full control of single or multiple displays from a remote location.



RCU-3 REMOTE

Stay in command of your gS Series without leaving the wheel with the wireless Bluetooth RCU-3 Remote.



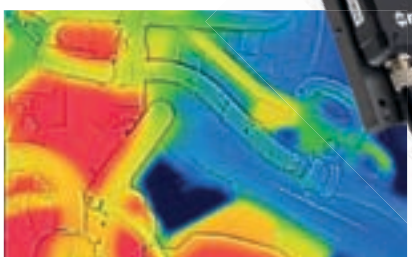
MOBILE

Access Raymarine anywhere onboard via Raymarine mobile apps and gS Series built-in Wi-Fi. Take full control of your gS Series direct from your tablet or smart phone. Also, transfer routes and markers, upload sonar logs and update charts with Navionics Boating apps.



ENGINE MONITORING

Monitor engine and fuel performance using NMEA 2000 or Raymarine's exclusive ECI-100 Universal Engine and Control Interface.



SPOT PROBLEMS BEFORE THEY HAPPEN

- Stream live thermal video of exhaust manifolds, propeller shafts, electrical panels, and other machinery with the FLIR AX8 thermal monitoring system
- Continuous thermal monitoring with audible and visual alarms across the Raymarine network.



SPECIFICATIONS

LCD SCREEN SIZES

gS95: 9.00in | gS125: 12.1in | gS165: 15.4in | gS195: 19.0in

DISPLAY RESOLUTION

gS95: 800x480 | gS125: 1280x800 | gS165: 1280x800 | gS195: 1280x1024

TOUCH SCREEN

Multi-touch with pinch-to-zoom

GPS

Requires external GPS sensor (RS150 recommended)

MOUNTING OPTIONS

Flush or surface mount

WATERPROOF RATING

IPX6

MEMORY CARD READER

Dual MicroSD external card reader for charts and data

INTERFACES

- NMEA0183 / SeaTalk[®] / Raynet
- HD SDI video port (gS195 only)
- Analogue Video Input
- HDMI Video Output
- Auxiliary Alarm Output

POWER REQUIREMENTS

12V or 24V systems

MULTI-LANGUAGE

Yes

Images for illustrative purposes only. Product information subject to change without prior notice

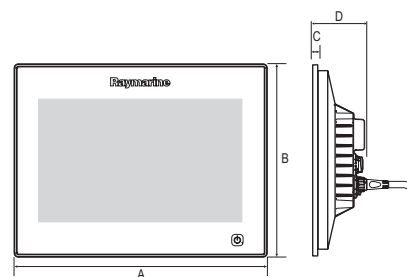
WHAT'S IN THE BOX gS SERIES



- (1) Multifunction display
- (2) 2x Display mounting brackets
- (3) RCR-2 Remote Card Reader
- (4) Mounting gasket for RCR-2
- (5) Document pack
- (6) RCR-2 inlay card x2
- (7) Sun cover
- (8) 4x Mounting bolts, washers, lock nuts and feet
- (9) 4x Bracket fixings
- (10) 4x RCR-2 fixings (self tapping screws)
- (11) 10x M5 pan head screw (not supplied with gS95)
- (12) M5 Wavy washer (for additional grounding strap)
- (13) 1.5m (4.9 ft) Power / Data cable
- (14) 2m (6.6 ft) Video / Alarm cable
- (15) Display mounting gasket
- (16) 2m (6.6 ft) RayNet cable
- (17) Auxiliary alarm
- (18) 1m (3.28 ft) SeaTalk[®] spur cable

gS SERIES DIMENSIONS

	A		B		C		D	
	mm	in	mm	in	mm	in	mm	in
gS95	246.8	9.7	188.2	7.4	8.0	0.3	69.0	2.72
gS125	311.8	12.3	237.0	9.3	8.0	0.3	70.0	2.75
gS165	383.2	15.0	284.7	11.2	8.0	0.3	69.0	2.72
gS195	433.9	17.1	391.2	15.4	8.0	0.3	75.9	3.0



MARINE CHARTS

AN UNPRECEDENTED CHOICE



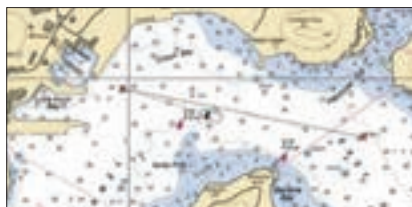
Raymarine chartplotters and multifunction displays now have the option of three cartography choices in one MFD: Navionics cartography, C-MAP and Raymarine's ever-expanding range of LightHouse charts give you a powerful and flexible navigation experience.

Transform the way you navigate with fully-featured vector charts, dynamic raster charts, plus 3D and satellite chart options.





Visit the Raymarine Lighthouse Chart store to purchase charts from leading map makers.



RAYMARINE LIGHTHOUSE CHARTS

- LightHouse Charts are available in Raster or Vector formats
- Ever-expanding cartography library. Check raymarine.com/charts for latest listing
- General navigation and specialty titles from leading mapmakers around the world including:
 - Blue Latitude Press
 - Fugawi Aboard
 - NV Charts
 - Solteknik HB
 - Standard Mapping
 - Wavey Line
 - IMRAY Digital Charts

C-MAP

- C-MAP 4D MAX and 4D MAX+ products compatible with Raymarine’s range of multifunction displays and Dragonfly Sonar/ GPS displays
- C-MAP Essentials charts bundled with Raymarine products provide coastal navigation data: includes all critical navigation aids, chart objects, marina icons, all normal contours, spot depths, and three shaded depth areas
- C-MAP Essentials charts are eligible for free or paid upgrades
- Upgrades available to full C-MAP 4D MAX or 4D MAX+
- Easy-routing available with C-MAP 4D MAX+ products

NAVIONICS CHARTS

- Choice of Navionics+ for 2D charts or Platinum+ and HotMaps Platinum for additional advanced features such as 3D View and satellite overlay and panoramic photos
- Keep charts up to date, free for one year with a Freshest Data subscription included with every Navionics product.
- SonarChart Live- Create personal HD bathymetry maps in real time.
- Various charts bundled with Raymarine products
- Autorouting and Dock to dock routing available with Navionics+ and Platinum charts

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.

VISIBLE LIGHT MARINE VIDEO CAMERAS

Raymarine video cameras transform your Raymarine multifunction display into a powerful video observation system

Connect multiple IP based cameras to your Raymarine LightHouse II powered MFD and keep an eye on all the action. Switch from camera-to-camera with a simple swipe of the MFD's touchscreen. LightHouse II supports video viewing, recording, playback, and snapshot.



CAM50

- Analogue video camera with composite video output
- Ideal for mounting in the saloon, wheel house or engine room
- Plug-and-play with Raymarine MFDs
- Ceiling or wall mount
- Manually adjustable pan and tilt



CAM100

- Analogue video camera with composite video output
- Auto switching between true colour (day) and black and white (night)
- Clear focus at night with Anti-IR focus distortion technology built-in
- Ideal for monitoring blind spots, decks, engine room and cabins



Images for illustrative purposes only. Product information and pricing subject to change without prior notice.



CAM210IP CAMERA

Ruggedised, High Definition, Day and Night network bullet video camera suitable for all above deck applications. Integrated sun-cover for maximum visibility and small frame size for easy installation anywhere on the boat.

- Plug and play integration with Raymarine MFDs running Lighthouse II
- Power over Ethernet (PoE) or direct 12v DC power supply
- High bright IR LEDs for operation in total darkness
- Digital Defog processing improves the captured image in poor weather conditions (such as smog, fog or smoke)
- Intelligent IR technology for clear video images at night in all conditions

SPECIFICATIONS

FORMAT

- CAM50: PAL 500 x 582 pixels
NTSC 512 x 492 pixels
- CAM100: PAL 752 x 582 pixels
NTSC 768 x 494 pixels
- CAM2XX: Up to 1920 x 1080 (FHD)

IMAGE SENSOR

- CAM50: 1/3 Sony DSP Color CCD
- CAM100: 1/3 Sony Super HAD CCD (Super Hi-resolution)
- CAM2XX: 2.0 Megapixel 1/2.8" SONY progressive scan, CMOS (Exmor)

WATERPROOF RATING

- CAM50: IP63
- CAM100: IPX6 and CFR46
- CAM2XX: IP67

LENS

- CAM50: 3.6mm Best focus - 1.5m
Viewable distance - 3.5m
- CAM200: 6.0mm Megapixel Board Lens
- CAM210: 3.6mm Megapixel
- CAM220: 6.0mm Megapixel

POWER

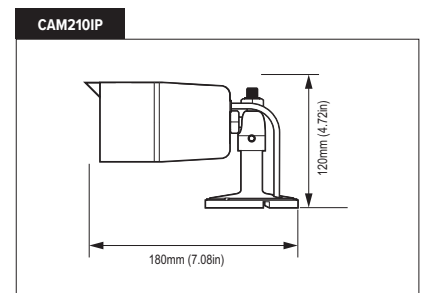
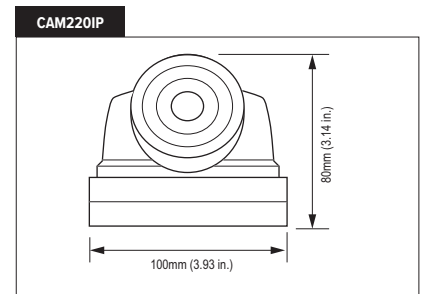
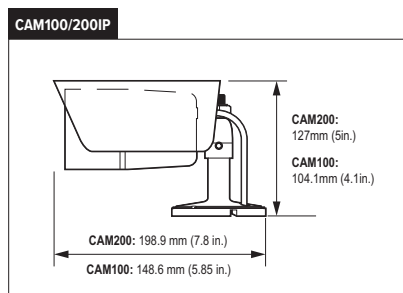
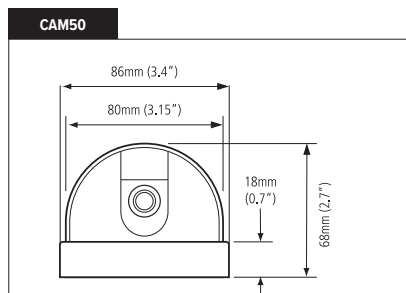
- CAM50: 12V DC (+30% -10%)
- CAM100: 12V DC (+30% -10%)
- CAM2XX: DC12V/1.5A, PoE (Power over Ethernet): 802.3af-Optional

FLIR Systems, Raymarine's parent company, is a world leader in video security solutions. Visit flir.com/security to learn more

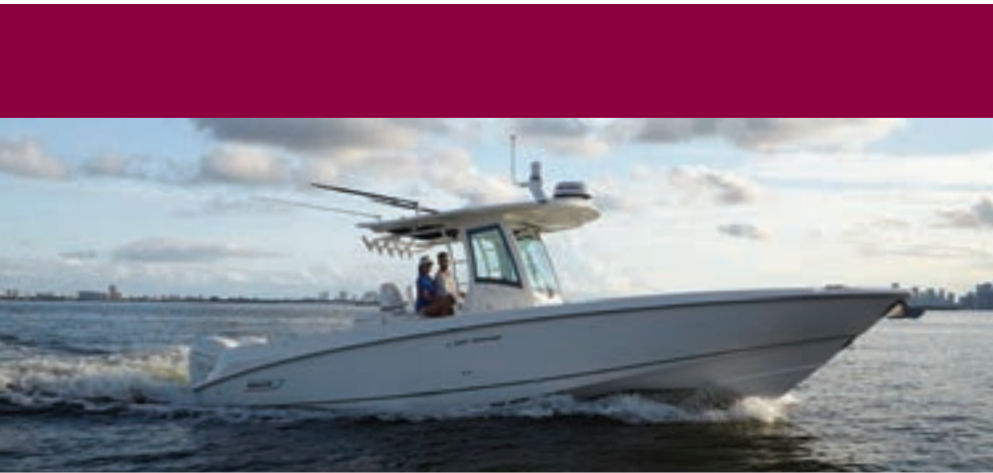
CAM220IP CAMERA

Ruggedised, High Definition, Day and Night network eyeball video camera suitable for above or below deck applications. Eyeball design provides all round selected viability whilst the small frame size allows for rapid installation. Stylised to blend in with your boat's aesthetic design.

- Plug and play integration with Raymarine MFDs running Lighthouse II
- Power over Ethernet (PoE) or direct 12v DC power supply
- Simple mechanical frame allows the camera to be locked, rock steady, into position
- High bright IR LEDs for operation in total darkness



RADAR SCANNERS



Day and night, radar systems from Raymarine keep you aware of surrounding traffic, hazards, rain, sea birds and much more. From Quantum™ CHIRP radar, to ultra-high performance Super HD Color open arrays, Raymarine has the perfect radar solution for every boat.

QUANTUM™ CHIRP RADAR

Raymarine Quantum Radar, by FLIR, is the next generation of marine radar featuring CHIRP pulse compression technology. Setting a new standard for compact solid state radar, Quantum delivers superior radar imaging on both long and extremely short ranges. Integrated Wi-Fi and thin cabling simplifies installation plus Quantum’s energy efficient and lightweight design provides safe radiated emissions and substantially reduced power consumption.



SUPERIOR PERFORMANCE

- Quantum’s CHIRP Pulse Compression technology uses multiple compressed radar pulses with FLIR’s exclusive ATX™ advanced target separation technology
- Quantum with ATX™ displays targets like boats, landmarks, buoys, and weather cells with unsurpassed resolution and separation quality versus traditional magnetron radars.
- Excellent short-range detection and enhanced target detail with 18’ (6m) minimum range
- Immediate awareness – Quantum starts up and is ready to go in seconds
- Superior interference rejection eliminates noise from other radars

ENERGY EFFICIENT AND LIGHTWEIGHT DESIGN

- Weighs 50% less than traditional magnetron radars
- Safe Emissions thanks to Quantum’s low power solid state transmitter
- Very low power consumption (17 Watts transmit and 7 Watts standby)
- Extended vessel battery life when under sail

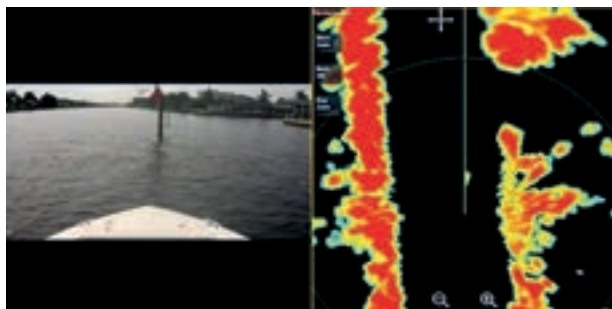
SIMPLIFIED INSTALLATION

- Simple Wi-Fi connection between Quantum and any Raymarine LightHouse II powered MFD
- Quantum’s small diameter power cable is easy to route through tight spaces
- Easy to upgrade – Quantum uses the same bolt pattern as previous generation radars.
- Optional Quantum adapter cable eliminates the need to run new radar cables



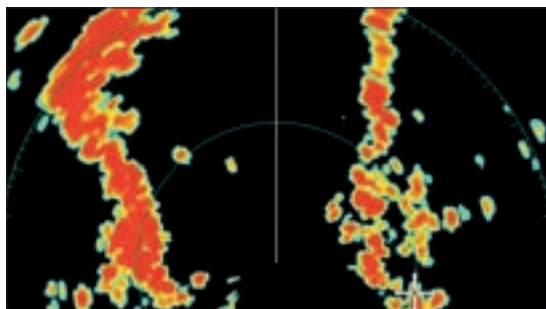
EXCELLENT SHORT-RANGE DETECTION

CHIRP Pulse Compression technology lets you detect targets as near as 18-feet, giving you extra confidence in dense fog and low visibility.



EXCEPTIONAL DETAIL AND CLARITY

Sharp, crisp targets and automatic sea clutter rejection produce radar images with stunning, life-like clarity.



•• RADAR

HD COLOR

Raymarine

Raymarine

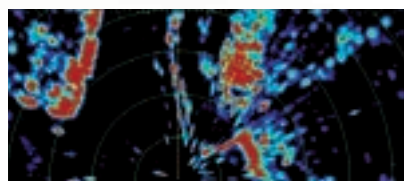
HD

HD AND SUPER HD COLOR OPEN ARRAY SCANNERS

The choice of mid to large-sized powerboats and large sailing vessels, open array radar scanners deliver higher sensitivity, better target detection and improved target separation. Open array systems are available with 4kW or 12kW transmitters for exceptional performance at all ranges.

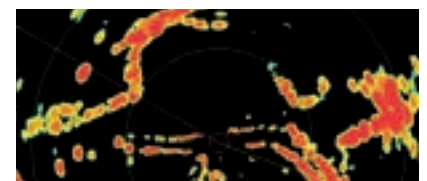
HD COLOR RADOME SCANNERS

Radome antennas are the perfect blend of compact size, light weight and high performance. Choose a radome antenna when space is at a premium or restricted by rigging. Radome scanners also consume less power than open array scanners which is essential for long-distance cruising sailboats.



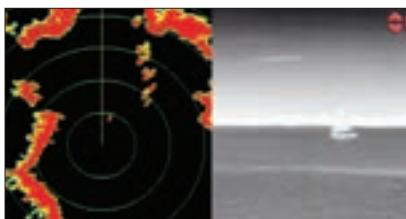
SUPER HD DIGITAL COLOR RADAR

- 48 and 72 inch open array options
- Choice of 4kW or 12kW power output
- Greater dynamic range than conventional radar
- Acquires and processes vast amounts of echo information normally lost by conventional analogue radar
- Intelligently isolates and identifies true radar targets and simultaneously eliminates unwanted clutter
- Extra-narrow beam width pinpoints targets with stunning clarity and gives dramatically clearer radar displays



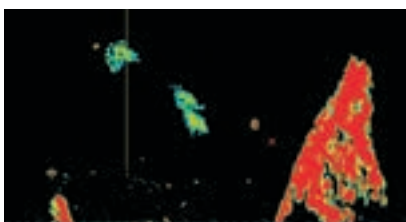
HD DIGITAL COLOR RADAR

- 18 and 24 inch 4kW radomes
- 48 and 72 inch open arrays with 4kW or 12kW power output
- Superior target detection and interpretation
- Identify target types, detect weak and distant contacts automatically, and virtually eliminate clutter and noise
- Adaptive transmitter and receiver automatically adjusts to changing environmental and sea conditions
- Dramatically clearer radar images
- Crisp, well-defined contact echoes
- Superior target separation and life-like target presentation



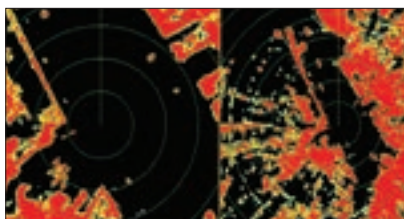
RADAR & THERMAL IMAGING

Every Raymarine radar integrates with T-Series thermal night vision camera systems. Instantly identify radar contacts night or day. Slew-to-cue target tracking with Raymarine T300/T400 Series thermal night vision camera systems.



BIRD MODE

Bird Mode automatically tracks flocks of seabirds, giving fishermen the heads up on where the fish are. Available on the HD Color and Super HD Color Radar Systems.



DUAL RANGE SCANNING

Simultaneously monitor near and far targets from a single radar antenna with dual-range scanning, found on the HD Color and Super HD Color radar systems, and dual-scanner support.



TRACK TARGETS

Not everything transmits AIS. Using MARPA (mini-automatic radar plotting aid) allows you to identify vessel, speed, bearing, closest point of approach (CPA) and time to closest point of approach (TCPA), set dangerous/proximity alarms, and overlay AIS info for further target clarification.

SPECIFICATIONS

QUANTUM

- INPUT VOLTAGE:**
12 – 24 Vdc (Min: 10.8 V, Max: 31.2 V)
- NETWORKING:**
Wi-Fi or wired Ethernet (RayNet)
- ANTENNA TYPE:**
Patch Array
- MAXIMUM RANGE SCALE:**
24 nm
- WATERPROOFING:**
IPX6

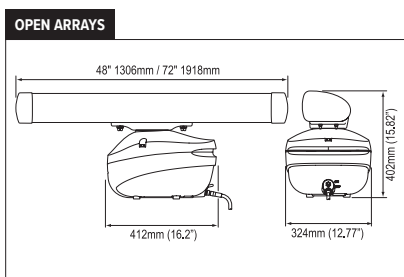
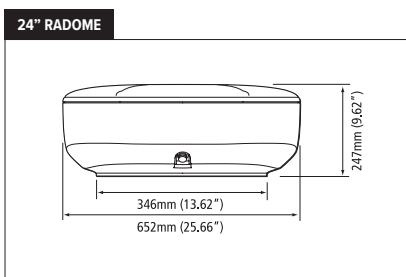
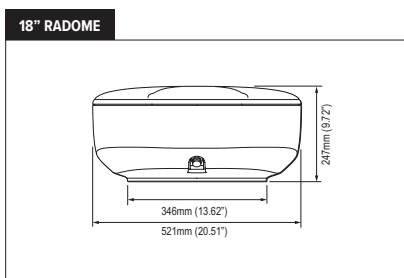
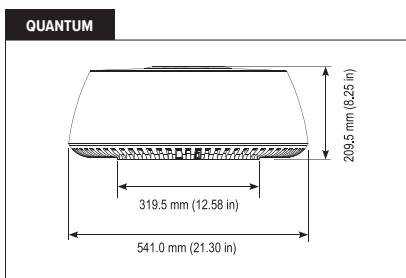
HD COLOR RADOMES

- INPUT VOLTAGE:**
12–24 Vdc
- NETWORKING:**
SeaTalk^{hs}
- PEAK POWER OUTPUT:**
4kW (nominal)
- MAXIMUM RANGE SCALE:**
48 nm
- WATERPROOFING:**
IPX6

HD & SUPER HD COLOR

- OPEN ARRAYS**
- INPUT VOLTAGE:**
10.8–32 Vdc (using VCM100)
- NETWORKING:**
Raynet
- PEAK POWER OUTPUT:**
48" and 72" HD and SHD available in 4kW or 12kW options
- MAXIMUM RANGE SCALE:**
72 nm
- WATERPROOFING:**
IPX6

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.



WHAT'S IN THE BOX QUANTUM



- (1) Quantum Radome
- (2) Power Cable
- (3) Installation kit
- (4) Documentation including installation template

WHAT'S IN THE BOX HD COLOR RADOMES



- (1) Radome Scanner
- (2) Installation kit
- (3) Documentation including Installation template

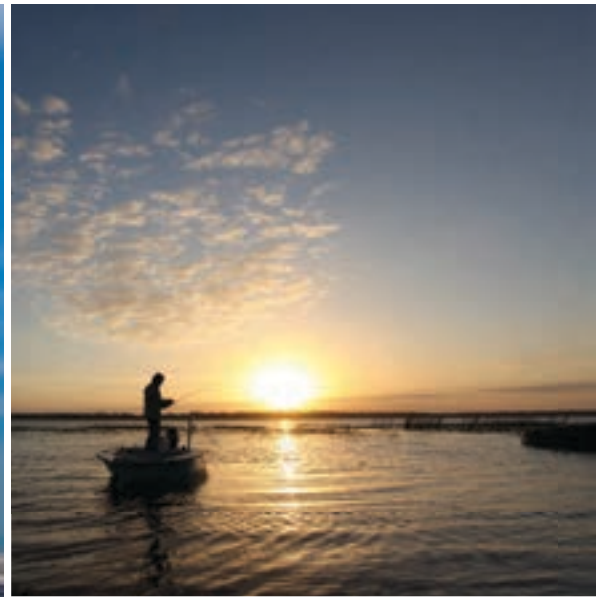
WHAT'S IN THE BOX OPEN ARRAYS



- (1) Pedestal
- (2) VCM100 Voltage Converter Module
- (3) Installation kit
- (4) Documentation including installation template



DRAGONFLY SONAR/GPS DISPLAYS



Welcome to Dragonfly®, superior fishing electronics made incredibly simple by Raymarine. With advanced technologies like wide-spectrum CHIRP DownVision™ and all-weather optically bonded displays, Dragonfly sonars let you spend more time catching fish and less time looking for them.



THE DRAGONFLY DIFFERENCE

A leap into the future of sonar, Dragonfly sonars employ true wide spectrum CHIRP technology. With wide spectrum CHIRP more sonar signals are transmitted into the water allowing Dragonfly to interpret more detail, target more fish, and image structure with unmatched clarity.



CHIRP DOWNVISION™: SIMPLY THE BEST IMAGING SONAR

CHIRP DownVision™ will change your underwater view with incredibly clear, photo-like sonar images. Dragonfly's CHIRP DownVision™ surpasses ordinary imaging sonars with superior deep water penetration and reliable high-speed bottom tracking.



A BETTER VIEW

Each Dragonfly is engineered with optical bonding LCD display technology. Once only available on high-end marine displays, Dragonfly's all weather optically bonded displays deliver brighter colours, sharper contrast, and are guaranteed to never fog up.



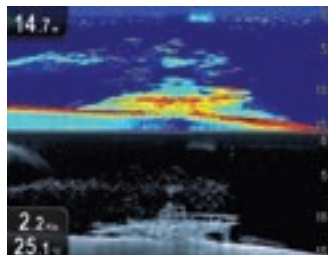
CONNECT AND SHARE

Dragonfly PRO models feature built-in Wi-Fi. Stream sonar data right to your smartphone or tablet with the Raymarine Wi-Fish™ mobile app. With Wi-Fish you can rewind and capture sonar images to share online with friends.



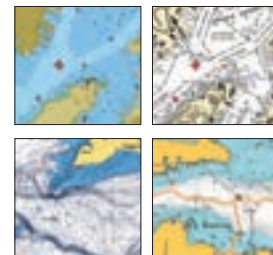
DUAL-CHANNEL CHIRP

CHIRP DownVision™ plus a CHIRP-powered fish-targeting channel for conventional sonar imagery.



SUPERIOR SONAR

Unlike conventional imaging sonars that transmit at a single frequency with each pulse, Dragonfly's DownVision™ sonar uses CHIRP technology to transmit across a wide spectrum of sonar frequencies simultaneously— the result is much higher-resolution, life-like sonar images.



THE BEST MAPS

Dragonfly models with GPS built-in give you the choice of Navionics, C-MAP or Raymarine LightHouse compatible charts.



DRAGONFLY

**THE BIGGEST
AND BRIGHTEST
DRAGONFLY**

DRAGONFLY-7 PRO

**7" DUAL-CHANNEL CHIRP
DOWNVISION™ SONAR
WITH CHARTPLOTTER**

- 7" Super-Bright LCD
- All-Weather Bonded Display
- 10Hz GPS
- Fish-Targeting Sonar
- CHIRP Technology
- DownVision™ Sonar
- Wi-Fish Mobile



DRAGONFLY-4 PRO

4.3" DUAL-CHANNEL CHIRP DOWNVISION™ SONAR WITH CHARTPLOTTER

- All-Weather Bonded Display
- 10Hz GPS
- Fish-Targeting Sonar
- CHIRP Technology
- DownVision™ Sonar
- Wi-Fish Mobile



DRAGONFLY-5M

5" GPS/ CHARTPLOTTER

- All-Weather Bonded Display
- 10Hz GPS



DRAGONFLY-5 PRO

5" DUAL-CHANNEL CHIRP DOWNVISION™ SONAR WITH CHARTPLOTTER

- All-Weather Bonded Display
- 10Hz GPS
- Fish-Targeting Sonar
- CHIRP Technology
- DownVision™ Sonar
- Wi-Fish Mobile

DUAL CHANNEL CHIRP TRANSDUCER

DownVision produces a 60° side-to-side and 1.4° fore to aft beam. The second element provides a conical shaped beam for imaging fish targets, ensuring you will never miss any of the action below your boat.

DownVision transducers are available in transom mount, trolling motor and thru-hull mounting options.

CPT-70 and CPT-80 plastic/bronze through hull transducers also available.

For detailed information about the range of transducers available for use with Dragonfly, please visit our website www.raymarine.com



CPT-DV Downvision only or CPT-DVS Downvision and conventional sonar transducers

	DRAGONFLY 4, 5 AND 7				Wi-FISH
	4-PRO	5M	5-PRO	7-PRO	Wi-Fish
Screen size	4.3in	5.0in		7.0in	
Screen resolution (pixels)	480 x 272	800 x 480		800 x 480	
CHIRP Sonar	●		●	●	
CHIRP DownVision™	●		●	●	●
All weather viewable	●	●	●	●	
Raymarine Wi-Fish app	●		●	●	●
Android and iOS compatible	●		●	●	●
Save and share sonar screen shots	●		●	●	●
Built-in GPS	●	●	●	●	
LightHouse vector and raster chart compatibility	●	●	●	●	
Navionics +, Hotmaps and SonarChart compatible	●	●	●	●	
C-MAP chart compatibility	●	●	●	●	
microSD card reader	●	●	●	●	
Navionics Boating and SonarChart Live compatible	●		●	●	●
Dual Channel Sonar: DownVision™ plus conventional fish targeting sonar	●		●	●	
Depth range	183m (600ft) CHIRP Downvision™ and CHIRP Sonar models 275m (900ft)				



Wi-FISH SONAR

Wi-Fi CHIRP DOWNVISION™ SONAR FOR SMARTPHONES AND TABLETS

Transform your smartphone into a powerful CHIRP DownVision™ sonar with Wi-Fish™. Simply download the free Wi-Fish app and connect using standard Wi-Fi and you will be streaming real-time sonar direct to your phone or tablet.



- Connect with the free Wi-Fish mobile app for iOS and Android devices (iOS7 or Android 4.0 minimum)
- Pause, zoom, and rewind the sonar right on your phone. Save your favourite catch and share with friends online
- Wide-spectrum CHIRP DownVision™ sonar technology for photo-like images, high-speed tracking, and better deep water resolution
- Access Wi-Fish sonar on Navionics Boating Apps and generate bathymetric charts with Navionics Sonar Chart Live
- Includes transom mount CHIRP transducer with temperature sensor

Wi-Fi MOBILE



Wi-Fish Augmented Reality View (full screen)



New Wi-Fish App View Switcher (left), Augmented Reality View (center), and Map View (right)

NEW WI-FISH MOBILE WITH AUGMENTED REALITY

The all-new Wi-Fish App brings the power and performance of Dragonfly right to your smartphone or tablet!

Using the Wi-Fi access point in every Dragonfly-PRO and Wi-Fish system, the app allows you to see and control live sonar right on your mobile device. Play, pause and rewind the sonar. Take screen shots to share instantly on social media.

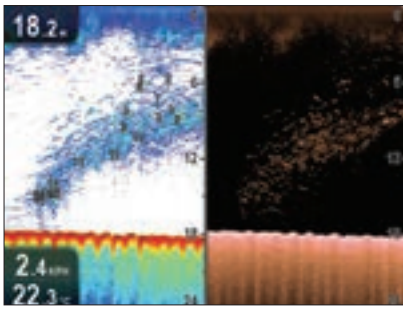
When used with Dragonfly-PRO, the Wi-Fish app also offers Augmented Reality waypoint navigation and mobile-friendly mapping. Use your mobile device like a virtual periscope to see your waypoints and fishing spots overlaid on the real world around you.

SYSTEM REQUIREMENTS

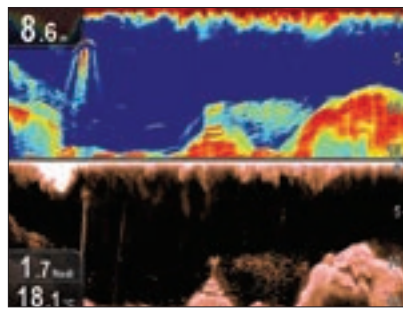
The new Wi-Fish Augmented Reality App is free and available for Apple and Android devices.

A GPS-enabled smartphone or tablet is required to use the app's Augmented Reality mode.

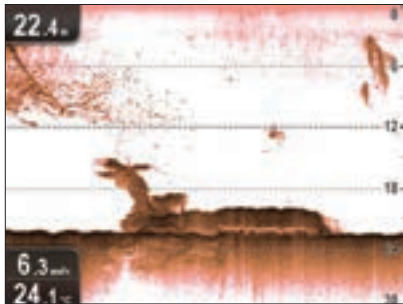
Dragonfly-PRO systems must be updated to software version 12.10 or higher, available free at www.raymarine.com/software



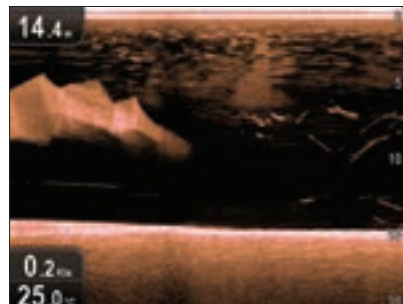
Shoal of fish



Submerged statue, fish and bottom structure



Submerged airliner



Massive ball of bait followed by Hairtail



MOUNT ANYWHERE

The Dragonfly 4, 5 and 7's compact ball-and-socket mounting system makes installation simple. Easy to upgrade to after-market ball and socket mounting systems.

SPECIFICATIONS

LCD SCREEN SIZES

- Dragonfly-4: 4.3in
- Dragonfly-5: 5.0in
- Dragonfly-7 PRO: 7.0in

DISPLAY RESOLUTION

- Dragonfly-4: 480x272
- Dragonfly-5: 800x480
- Dragonfly-7 PRO: 800x480

SONAR TYPE (EXCEPT 5M)

CHIRP Sonar - CPT-60 dual-beam CHIRP transducer supplied with product (check ordering information) (Cable length 6m)

DEPTH RANGE (EXCEPT 5M)

CHIRP DownVision™ 183m (600ft) and CHIRP Sonar imagery 275m (900ft)

GPS

Dragonfly 4/5/7-PRO: 72 channel GPS

CHART COMPATIBILITY

Support for Navionics, C-MAP and Raymarine LightHouse chart formats on microSD cards

MOUNTING OPTIONS

Ball and socket bracket or surface mount

WATERPROOF RATING

IPX6/IPX7

MEMORY CARD READER

MicroSD

CONNECTIONS

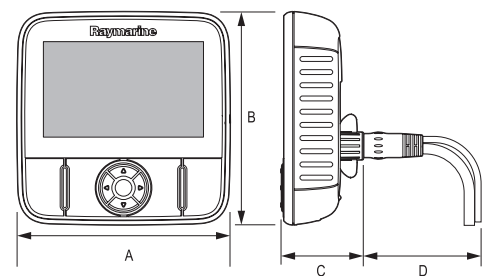
Power/transducer combined input

POWER REQUIREMENTS

10.8–15.6V

Images for illustrative purposes only. Product information and pricing subject to change without prior notice

DRAGONFLY DIMENSIONS								
	A		B		C		D	
	mm	in	mm	in	mm	in	mm	in
DF-4	145	5.7	145	5.7	56	2.2	90	3.5
DF-5	145	5.7	145	5.7	56	2.2	90	3.5
DF-7 PRO	199	7.83	178	7.0	62.2	2.45	90	3.5
Wi-Fish	145	5.7	145	5.7	54	2.1	90	3.5



**WHAT'S IN THE BOX
DRAGONFLY-5M**



- (1) Display unit
- (2) Locking collar
- (3) Pivot ball
- (4) M6 Hex bolt
- (5) Display bracket base
- (6) x3 M5 pozi-drive bolt
- (7) x3 M5 washer
- (8) x3 M5 locking nut
- (9) Documentation
- (10) 1.5m (4.9ft) power cable

**WHAT'S IN THE BOX
DRAGONFLY-4 AND 5 DV/DVS/PRO AND 7 PRO**



- (1) Display unit
- (2) Locking collar
- (3) Pivot ball
- (4) M6 Hex bolt
- (5) Display bracket base
- (6) x3 M5 pozi-drive bolt
- (7) x3 M5 washers
- (8) x3 M5 locking nut
- (9) Documentation
- (10) Mounting bracket
- (11) M5 Hex ratchet bolt
- (12) Ratchet plate
- (13) Compression washer
- (14) M5 washer
- (15) M5 locking nut
- (16) x3 self-tapping screws
- (17) Documentation
- (18) Transducer with combined power cable

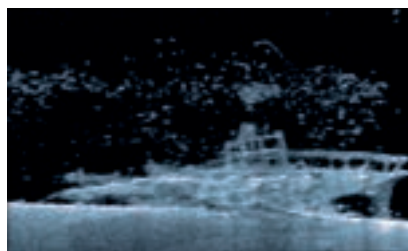
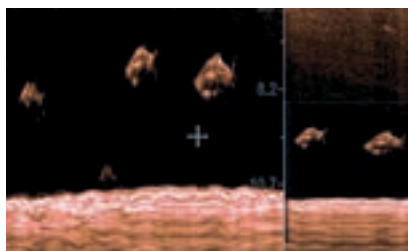


CP100

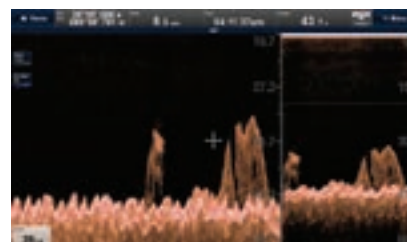
CHIRP DOWNVISION™
SONAR MODULE

UNDERWATER VISION

The CP100 network sonar module brings CHIRP DownVision technology to Raymarine's multifunction displays. CP100's CHIRP DownVision delivers a photo-like view of the world beneath your boat, allowing you to image bottom structure with amazing detail and simultaneously target fish.



CHIRP technology lets you image structure and pinpoint fish on a single sonar display



WIDE SPECTRUM CHIRP TECHNOLOGY

Unlike conventional imaging sonars that transmit a single frequency with each pulse, the CP100 uses CHIRP technology to transmit across a wide spectrum of sonar frequencies with each pulse – the result is much higher resolution, photo-like sonar images.

KEY FEATURES:

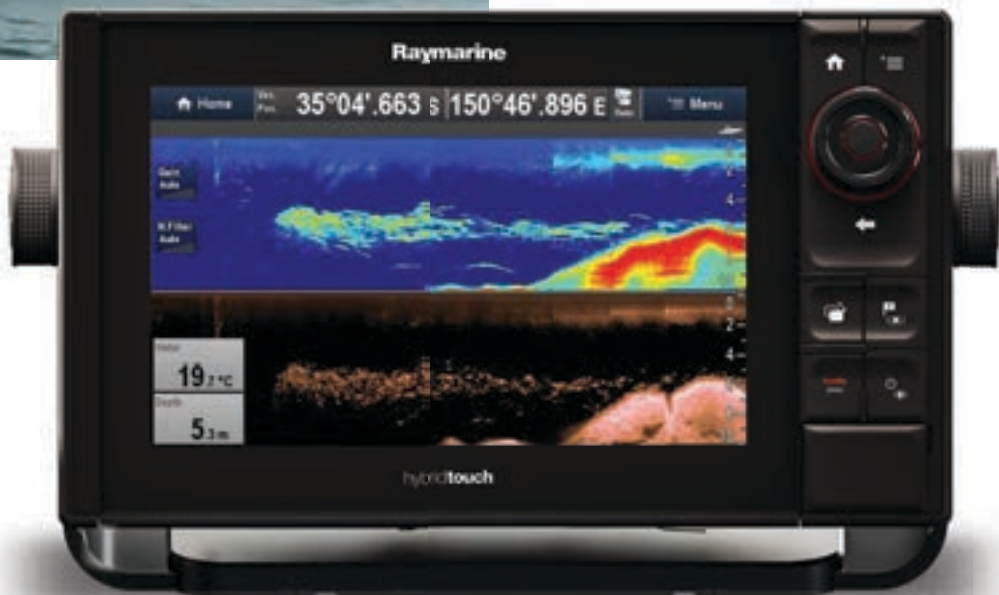
- Photo-like images of bottom structure with CHIRP DownVision
- Dual-channel; view high resolution CHIRP DownVision structure images and target fish with CHIRP sonar at the same time
- Network with Raymarine’s latest multifunction displays. From the aSeries to the flagship –gS Series the CP100 brings underwater vision in resolutions up to 1280 x 800 pixels
- Perfectly matched dual-beam CHIRP transducers available in transom mount, plastic and bronze thru-hull configurations

FRESHWATER FISHING

CP100 is ideal for freshwater anglers. Combined with Raymarine eSeries HybridTouch displays, the CP100 lets freshwater anglers create a multi-display network with HybridTouch control. Photo-realistic CHIRP DownVision™ easily identifies the habitat of bass and other fresh water species.

COASTAL FISHING

With depths down to 183m (600ft) for DownVision and 277m (900ft) conical, CP100 is perfect for coastal and bay fishing. View wrecks with unmatched clarity and use the second CHIRP channel to target bait and predators.



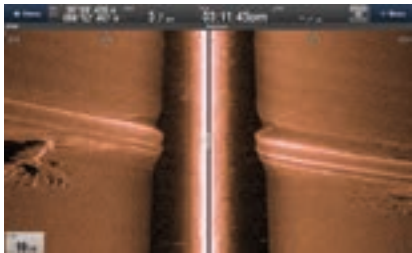
CP200

SIDEVISION™ SONAR MODULE

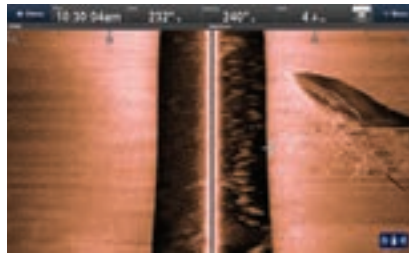
The CP200 CHIRP SideVision™ Sonar expands your underwater horizon with crystal-clear, bank-to-bank displays of fish, bait and underwater structure. Engineered with the same CHIRP sonar technology as Raymarine's award winning DownVision™ the CP200 uses advanced CHIRP signal processing technology to let you see further, see more clearly, and detect more fish than traditional side scanning sonars.

SUPERIOR RANGE PERFORMANCE

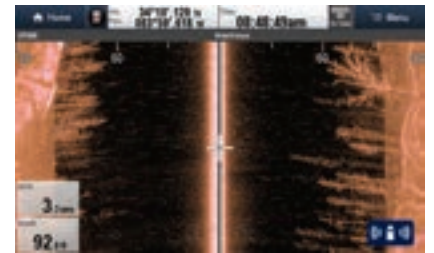
Raymarine CHIRP signal processing delivers high resolution and excellent long range performance. Identify objects and see fish even further, out to 183m (600 ft.) on each side.



Underwater tree



Wreck



Underwater brush

DUAL INDEPENDENT TRANSDUCER ARRAYS

Best-in-class side scan performance using two high-performance transducer arrays with dedicated CHIRP sonar channels.

SEE FURTHER

Independently adjustable transducer arrays enable anglers to preset their SideVision™ transducer angle for either shallow or deep water applications. Left and Right sonar images up to 183m (600ft.) either side of the boat.

CHIRP SIDEVISION™ AND DOWNVISION™ TOGETHER

Combine the CP200 with CHIRP DownVision™ for the ultimate in sonar intelligence, giving you a full 180 degree view of your underwater surroundings.

CP200 KEY FEATURES

- Network compatible CHIRP SideVision™ sonar for aSeries, cSeries, eSeries, eS Series and gS Series MFDs
- Multi-sonar compatible: view CHIRP SideVision™ alongside other sources, simultaneously
- Image fish, bait and bottom structure at distances up to 183m (600 feet) horizontally per side
- CHIRP signal processing delivers crystal-clear images with amazing detail
- Adjustable CPT-200 transducer optimises performance for shallow or deep water scanning



CP200 delivers amazing photo-like imagery of underwater terrain and man-made objects.



CPT-200: CHIRP SIDEVISION™ TRANSDUCER

Engineered for high performance CHIRP sonar, the CPT-200 transducer is perfectly matched to the CP200's CHIRP transceiver.

CP100

SONAR TYPE

CHIRP

CHANNELS

2x CHIRP DownVision plus a high frequency CHIRP channel for fish targeting

NOMINAL SUPPLY VOLTAGE

12/24V DC Systems

OPERATING VOLTAGE RANGE

10.2 - 32 V DC

POWER CONSUMPTION AT FULL POWER

3W

CONNECTIONS

Power (power cable), transducer (9 pin connector), and Raynet network connector

and Raynet network connector

TRANSDUCER INFO

Max depth DownVision - 600ft, CHIRP - 900ft.

CP200

SONAR TYPE

CHIRP SideVision

CHANNELS

2 x CHIRP SideVision™ (port and starboard)

NOMINAL SUPPLY VOLTAGE

12/24V DC Systems

OPERATING VOLTAGE RANGE

10.8 - 32 V DC

POWER CONSUMPTION AT FULL POWER

5.6W (Max)

CONNECTIONS

Power (power cable), transducer (9 pin connector), and Raynet network connector

and Raynet network connector

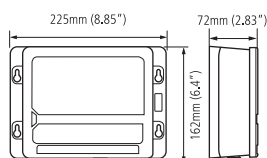
BEAM COVERAGE

Port and starboard facing fan beams - wide (port / starboard) and thin (fore / aft)

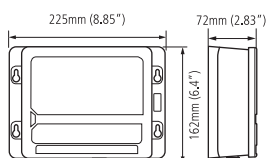
TRANSDUCER INFO

Range performance up to 183m (600ft)

CP100



CP200



WHAT'S IN THE BOX CP100



- (1) Sonar module
- (2) Documentation pack
- (3) Mounting screws
- (4) Power cable 1 m (3.28 ft)

WHAT'S IN THE BOX CP200



- (1) Sonar module
- (2) Documentation pack
- (3) Mounting screws
- (4) Power cable 1 m (3.28 ft)



CP370 DIGITAL

DIGITAL SONAR MODULE
FOR OFFSHORE &
COASTAL FISHING





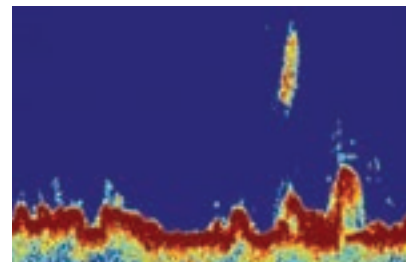
The CP370 delivers exceptional clarity, sharper fish targets, and automatic operation using Raymarine's next-generation ClearPulse™ digital sonar processing. The CP370 boasts up to 1,000 watts of power and operates at 200kHz for inshore and 50kHz for offshore fishing. ClearPulse™ signal processing intelligently manages the CP370 sonar parameters in all conditions so anglers can spend more time fishing and less time adjusting the sonar.

SHARPER, CLUTTER-FREE TARGETS

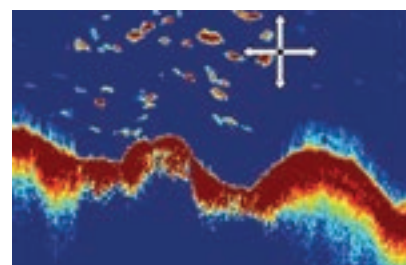
- Smarter target intensity controls reveal bait and game fish with exceptional clarity
- Enhanced digital filtering reveals fish targets through the entire water column
- Spend less time looking for fish and more time fishing. CP370 takes the guesswork out of interpreting the sonar display.

ACCURATE BOTTOM TRACKING

- Track the bottom in extreme conditions with advanced ClearPulse™ signal processing.
- New and improved bottom tracking algorithms deliver reliable performance in challenging conditions like running at high speeds and transitioning across canyons.



Better Noise Reduction



Enhanced Bottom Tracking



Enhanced Automatic Sensitivity Control

TRANSDUCERS

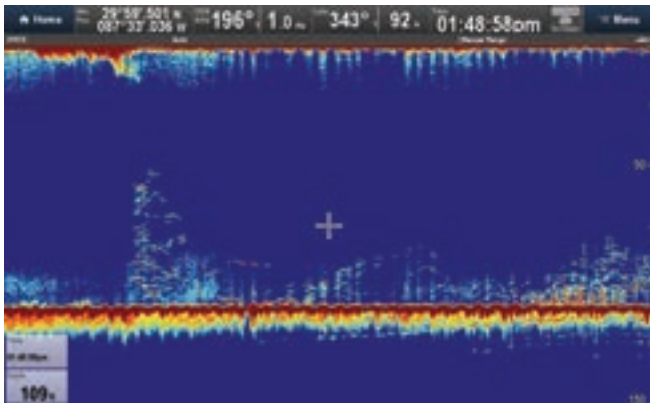
For detailed information about the range of transducers available for use with CP370, please visit our website www.raymarine.com



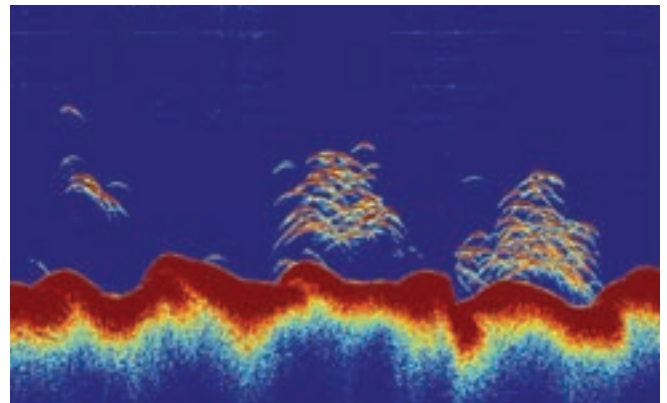
CP470 CHIRP

HIGH PERFORMANCE CHIRP FOR COASTAL AND OFFSHORE BLUE WATER FISHING

Engineered for serious anglers, the CP470 and CP570 sonars bring best-in-class target separation and high-resolution CHIRP sonar imagery to Raymarine multifunction displays. Using a wide spectrum of frequencies and greater sensitivity, the CP470 and CP570's advanced CHIRP transceiver can see through dense schools of baitfish, identify thermoclines, and simultaneously target desired game fish. Rated for offshore use and rough conditions, the CP470 and CP570 intelligently filter out unwanted noise while producing high resolution fish targets and reliable bottom tracking. Both models offer dual CHIRP sonar capabilities. For the professional angler the CP570's two fully independent sonar channels deliver faster target identification and up to 4kW of combined output power.



Bait fish



Tuna feeding



EASY TO CUSTOMISE

Choose optional low, medium, and high CHIRP frequency transducers in standard or wide-beam to match your fishing preferences.

- CP470 and CP570 automatically recognise connected transducers and adjust sonar parameters for optimised performance.
- View and control each CHIRP channel independently and create your own combination of full or split-screen sonar windows on Raymarine's LightHouse II powered multifunction displays.



Images for illustrative purposes only.
Product information and package contents subject to change without prior notice.



CP570 CHIRP

PROFESSIONAL CHIRP SONAR MODULE FOR TOURNAMENT AND OFFSHORE BLUE WATER FISHING

SERIOUS OFFSHORE SONAR

Superior target definition and enhanced sensitivity using Raymarine's exclusive wide spectrum CHIRP sonar technology.

- Target fish, identify bait, and track the sea floor down to 10,000ft. (3,000m) with two adjustable CHIRP sonar channels.
- Hunt for fish in different parts of the water column simultaneously with the CP570's two fully independent 2kW sonar channels.

STUNNING DETAIL & CLARITY

With 10 times the resolution of ordinary sonars the CP470 and CP570 deliver sharper, more defined fish targets and automatically filter out unwanted noise so you never miss the action below.

- TruZoom™ magnification mode reveals extra target detail without any loss of resolution.
- CP570's ultra-fast ping rate processing delivers accurate bottom tracking in extreme offshore conditions.

CP370

SONAR TYPE

Digital

POWER

600W / 1000W Depending on transducer

FREQUENCY & CHANNELS

Fixed frequency 50KHz and 200KHz channels

DEPTH RANGE

5000ft. (1,500m)

WATERPROOFING STANDARD

IPX6

NOMINAL SUPPLY VOLTAGE

12/24 V DC

CONNECTIONS

Power connection | Network connection (RayNet connector) 10/100 Mb/s | Transducer connection

CP470/CP570

SONAR TYPE

Wide Spectrum CHIRP

POWER

CP470: 1kW / 2kW depending on transducer

CP570: Max 4kW output using 2 independent CHIRP channels

FREQUENCY & CHANNELS

CP470: Dual CHIRP from 25 to 250kHz

CP570: Dual independent CHIRP channels from 25 to 250kHz

DEPTH RANGE

10,000ft (3,000m)

WATERPROOFING STANDARD

IPX6

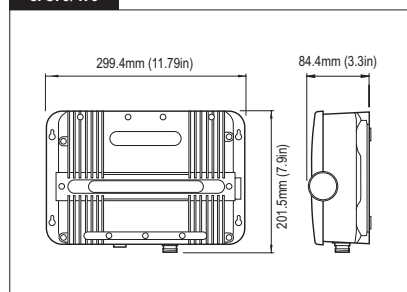
NOMINAL SUPPLY VOLTAGE

12/24 V DC

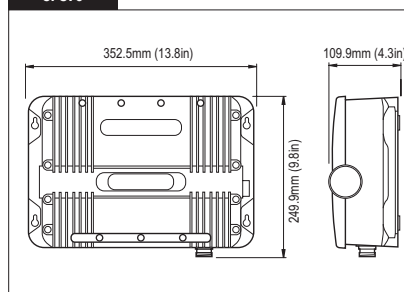
CONNECTIONS

Power connection | Network connection (RayNet connector) 10/100 Mb/s | Transducer connection

CP370/470



CP570



WHAT'S IN THE BOX CP370 SONAR



- (1) Sonar Module
- (2) Power Cable
- (3) Fixing Screws
- (4) Documentation Pack
- (5) RayNet Cable

WHAT'S IN THE BOX CP470/CP570 SONAR



- (1) Sonar Module
- (2) Power Cable
- (3) Fixing Screws
- (4) Documentation Pack
- (5) RayNet Cable



TRANSDUCERS

For detailed information about the range of transducers available for use with CP470/CP570, please visit our website www.raymarine.com



RACE, CRUISE OR FISH

EVOLUTION WILL TAKE
COMMAND





EVOLUTION R4 AUTOPILOT PERFECTION

EVOLUTION TECHNOLOGY

The culmination of Raymarine autopilot expertise, FLIR Systems' R&D, and advanced aerospace guidance technology, Evolution Ai™ control algorithms deliver a new level of accurate autopilot control.

EASY TO INSTALL

- Freedom from restrictions of conventional heading sensors
- EV sensor core can be installed above or below deck, upside-down or off the vessel's centre line
- No lengthy calibration procedures to perform
- Automatic compass calibration
- Plug and play connections

AEROSPACE TECHNOLOGY

9-axis precision monitoring of pitch, roll, yaw and heading

FUEL EFFICIENT

Evolution autopilots steer so accurately they can save fuel and get you to your destination faster.

EVOLUTION R4: AUTOPILOT PERFECTION

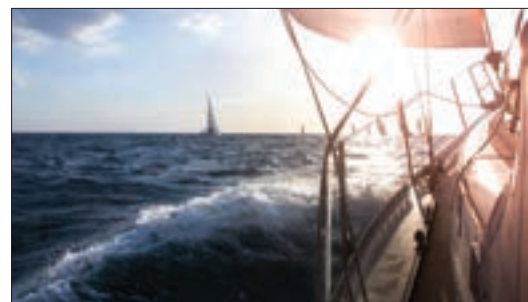
With the FREE R4 upgrade, Evolutions 9-axis EV sensor core now uses patented algorithms for improving the accuracy of measured wind conditions. Enhanced awareness of wind angle and wind speed allows Evolution to deliver crisp and responsive steer-to-wind control, giving both cruising and racing skippers the confidence to let Evolution take command in the most challenging conditions.

The R4 upgrade introduces Evolution TrackIQ™ technology for best-in-class steer to GPS waypoint tracking. Patented TrackIQ™ algorithms compensate for the effects of sea conditions and vessel motion, enabling Evolution to make smoother steering commands and keep the vessel on a plotted GPS course with incredible accuracy regardless of boat size.



RACE PERFORMANCE

When only the best will do. Razor-sharp course keeping. Fine-tuned for racers!



CRUISING PERFORMANCE

Superb course keeping and crisp turns in all conditions – the Raymarine skippers choice



LEISURE PERFORMANCE

For relaxed boating, when soaking up the sun is more attractive than precise course keeping



AUTOPILOT CONTROL

Complete your Evolution autopilot system with a p70s or p70Rs autopilot control head. The p70s and p70Rs feature vibrant colour displays and are powered by Raymarine's intuitive LightHouse user interface. LightHouse organises all options into simple menu structures, so with Evolution's Automagic 3-step setup process you will be up and running in minutes.



p70s CONTROL HEAD

Designed for sailing yachts, the p70s offers simple 1 and 10 degree direct course changes at the touch of a button.

p70Rs CONTROL HEAD

Features a rotary dial control for power boaters. Use the rotary dial for menu and course changes or activate power steer mode and steer manually right from the p70Rs.



EV-1 COCKPIT AND INBOARD AUTOPILOTS

EV-1 autopilots consist of a Control Head, EV-1 Sensor, Autopilot Control Unit (ACU) and drive unit. The drive unit (inboard mechanical/hydraulic or cockpit mounted), and correct ACU for your vessel is dependent on the steering system and displacement of the vessel itself.



p70s

EV-1

ACTUATOR CONTROL UNIT

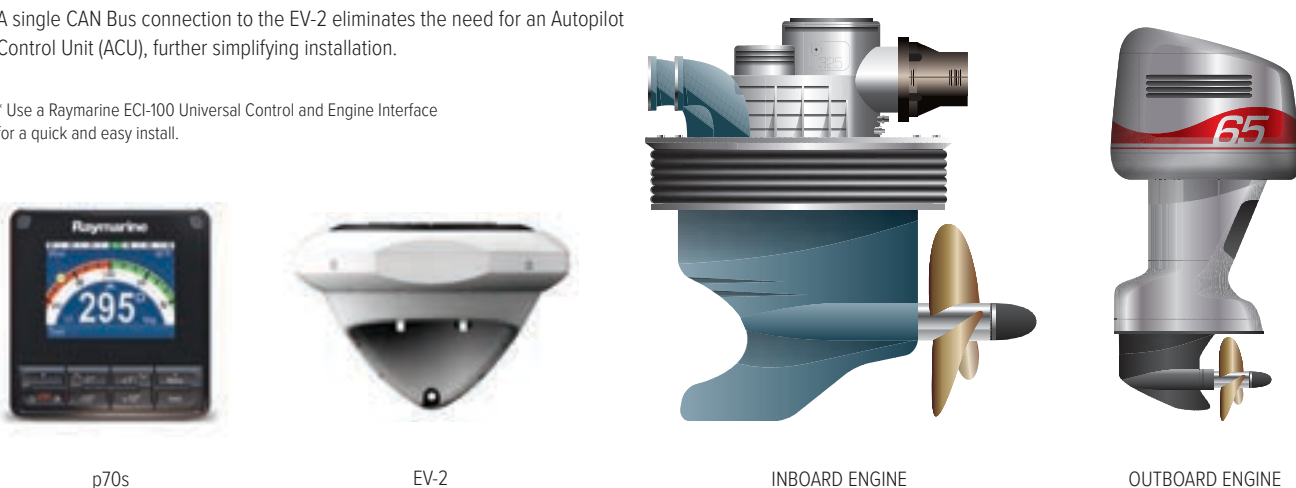
DRIVE UNIT
(TYPE DEPENDENT ON VESSEL STEERING SYSTEM)

EV-2 FOR DRIVE-BY-WIRE PROPULSION

EV-2 has been designed for the latest drive-by-wire steering systems and connects directly to Raymarine's SeaTalk^{ng} bus. EV-2 also has a dedicated CAN Bus port for direct connection to steer-by-wire steering systems such as ZF Pod Drives, Yamaha Helm Master, Volvo IPS* and SeaStar Solutions Optimus systems.

A single CAN Bus connection to the EV-2 eliminates the need for an Autopilot Control Unit (ACU), further simplifying installation.

* Use a Raymarine ECI-100 Universal Control and Engine Interface for a quick and easy install.



p70s

EV-2

INBOARD ENGINE

OUTBOARD ENGINE

ECI-100 UNIVERSAL ENGINE AND CONTROL INTERFACE



The ECI-100 Universal Engine and Control Interface is an innovative and affordable solution for bridging engine instrumentation and drive-by-wire steering with Raymarine autopilot and navigation systems.

A simple isolated CAN Bus solution, the ECI-100 offers reliable integration with Raymarine's latest generation of multifunction displays and delivers a seamless autopilot steering interface to Raymarine's Evolution EV-2 Drive-By-Wire autopilot system.

Note: See our website for a list of compatible engines.



AUTOPILOT SYSTEM PACKS

COCKPIT AUTOPILOTS

EV-100 autopilots are installed in the cockpit of tiller and wheel steered yachts and smaller power boats. An EV-100 system consists of an EV-1 Sensor, ACU-100 Autopilot Control unit, drive unit and control head.

EV-100 WHEEL

Wheel-steered sail up to 16,000 lbs / 7,500 kg



EV-1



ACU-100



p70s



Wheeldrive

EV-100 TILLER

Tiller-steered sail up to 13,200 lbs / 6,000 kg



EV-1



ACU-100



p70s



Tillerdrive

EV-100 POWER

Hydraulic-steering 3.1in³ - 6.7in³ / 50-110cc



EV-1



ACU-100



p70Rs



0.5L Hydraulic Drive

EV-150 HYDRAULIC POWER 12 VOLTS

Hydraulically-steered power 4.9in³ - 14.0in³ / 80-230cc



EV-1



NEW ACU-150



p70Rs



Type 1 Hydraulic Drive



AUTOPILOT SYSTEM PACKS

INBOARD AUTOPILOTS

The Evolution inboard range consists of autopilot packs designed to suit specific vessel types, steering systems and vessel displacements. Autopilot pack selection is, therefore, determined by:

1. The type of steering system installed on your vessel
2. Hydraulic steering systems; the pump has to be matched to volume of hydraulic steering ram (in cc)
3. The size and displacement of your vessel – always take the fully laden displacement of your vessel into account (often 20% above the designed displacement)

EV-200 HYDRAULIC 24 VOLTS

Hydraulically-steered power 4.9in³ - 14.0in³ / 80-230cc



EV-1



ACU-200



p70Rs



Type 1 Hydraulic Drive

EV-200 LINEAR

Mid-size sail up to 24,000 lbs / 11,000 kg



EV-1



ACU-200



p70s



Type 1 Mechanical Linear

EV-300 SOLENOID

Vessels with solenoid controller systems



EV-1



ACU-300



p70s

EV DRIVE-BY-WIRE

Drive-by-wire steering systems



EV-2



p70Rs



MFD PILOT CONTROL

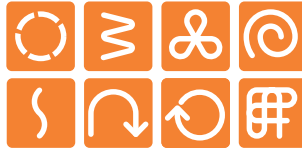
Evolution pilots can also be controlled from aSeries, cSeries, eSeries, eS Series and gS Series Raymarine multifunction displays (MFD).



HYDROBALANCE

Hydro-Balance™ Technology delivers superior autopilot performance on boats with hydraulic steering, and particularly on boats with rudder reference-less steering and outboard motors.

Patented Hydro-Balance technology automatically compensates for trapped air, hose expansion and torque steer. Hydro-Balance is available as part of the free Evolution R4 software update



FISHING PATTERNS

Fishing patterns are available when the p70s and p70Rs control heads are used with Evolution.



EVOLUTION PERFECT ON ALL POINTS OF SAIL

- Upwind in short chop
- Downwind with kite up
- Broad reach with quartering sea

SPECIFICATIONS

p70s/p70Rs

Nominal voltage: 12V
Screen size: 3.5" TFT LCD 320 x 240 pixels
Connections: SeaTalk™ (x2) and SeaTalk1 Compatible
Waterproofing: IPX6

EV1/EV2

Nominal voltage: 12V (powered by SeaTalk™ system)
Connections: SeaTalk™ I NMEA 2000
DeviceNet (EV-2 only)
Sensors: 3-axis digital accelerometer | 3-axis digital compass | 3-axis gyro digital angular rate sensor

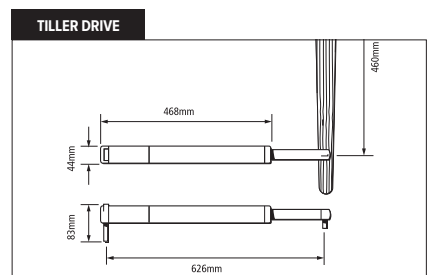
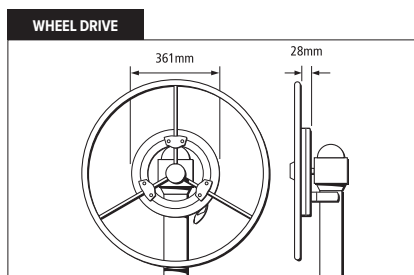
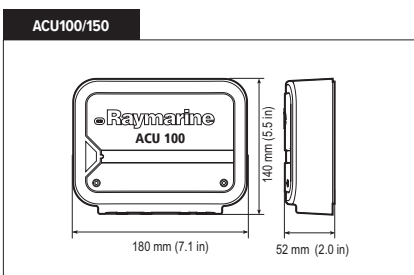
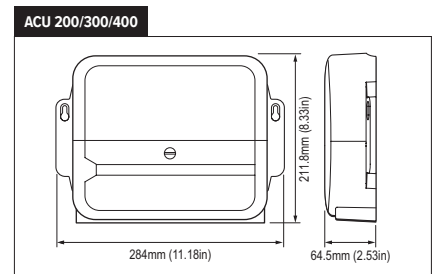
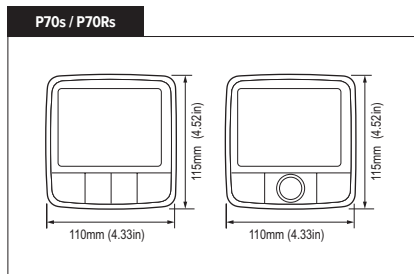
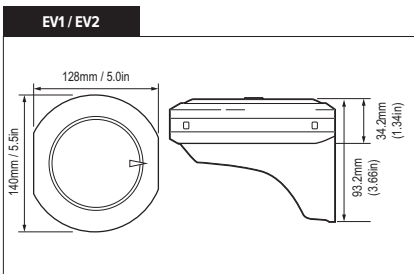
ACU-100/150

Nominal voltage: 12V
Data connections: SeaTalk™
Waterproofing: Connector panel IPX2, Drive electronics - IPX6

ACU-200/300/400

Nominal voltage: 12V or 24V
Data connections: SeaTalk™
Waterproofing: Drip resistant

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.



WHAT'S IN THE BOX EVOLUTION EV1/EV2



- (1) Mounting Trim
- (2) EV-1/EV-2
- (3) Sealing ring
- (4) Mounting tray
- (5) Sealing ring

WHAT'S IN THE BOX ACU 100/150



- (1) ACU Unit
- (2) Documentation pack
- (3) Screws (pan head type)
- (4) SeaTalk™ spur to bare wires cable 1m (3.3ft)

WHAT'S IN THE BOX ACU 200/300/400



- (1) ACU Unit
- (2) Documentation pack
- (3) ACU SeaTalk™ spur power cable 0.3m (1.0ft)
- (4) Rudder reference unit (if supplied; refer to separate installation sheet for list of parts supplied)
- (5) Screw pack, consisting of: Cable ties; Pan head screw; Countersunk screw.



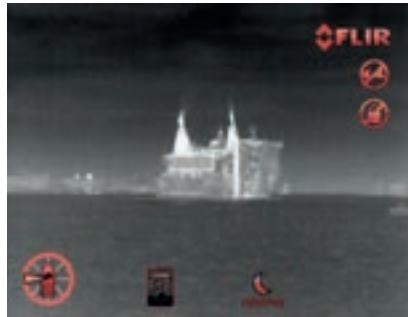
THERMAL NIGHT VISION CAMERAS

Thermal night vision cameras from Raymarine give captains the confidence to navigate safely in total darkness.

Engineered with genuine FLIR thermal imaging technology, Raymarine's thermal night vision cameras are designed for simple, seamless operation with Raymarine multifunction displays.



Day or night, thermal imaging cameras deliver enhanced levels of safety and situational awareness, allowing you to clearly see other vessels, navigation hazards, buoys and much more.



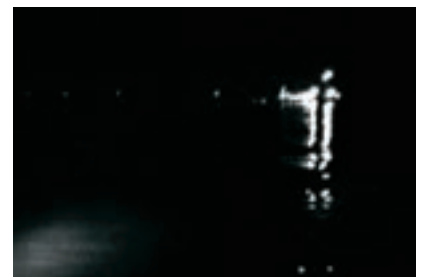
DAY AND NIGHT OPERATION

Thermal imaging camera systems are amazing at night, but are also just as effective at seeing through bright sun, glare, haze and more.

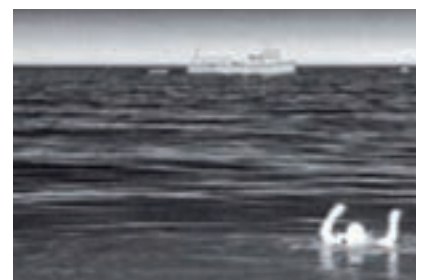
SUPERIOR FLIR THERMAL IMAGING TECHNOLOGY

As the worldwide leader in thermal technology, FLIR Systems are the choice of military and law enforcement professionals.

Your night vision



Thermal night vision



FIXED-MOUNT, OR FULL-MOTION SYSTEMS

Previously reserved for military, law-enforcement and ultra-luxury vessels only, thermal night vision technology is now available for every boater.

Choose from the affordable T200 Series fixed mount thermal cameras or, for a 360 degree view, step up to T300 and T400 with pan, tilt and zoom.

THE BEST MAN-OVERBOARD DETECTION

If one of your crew should fall overboard, a Raymarine thermal camera is your best bet in low visibility to find and track them so you can quickly get them back on board.

Images for illustrative purposes only. Product information subject to change without prior notice



T300 AND T400 SERIES

- Full pan, tilt and zoom capabilities
- Simple touchscreen control from Raymarine multifunction displays. Simply swipe your finger across the screen to slew the camera
- T300 models feature a single-payload thermal camera to produce standard or high-resolution FLIR thermal images
- T400 dual-payload models add a high-resolution day/night, lowlight camera. Anywhere your eyes can see just a little, the lowlight camera will show you a whole lot more
- Optional 2-axis gyro-stabilised models provide steady imagery in heavy seas and a colour low-light camera with 10x optical zoom

SLEW-TO-CUE TARGET TRACKING

Slew-To-Cue improves situational awareness and safety. Thermal camera automatically keeps "cued" targets in view at all times

CHART OBJECT SLEW-TO-CUE

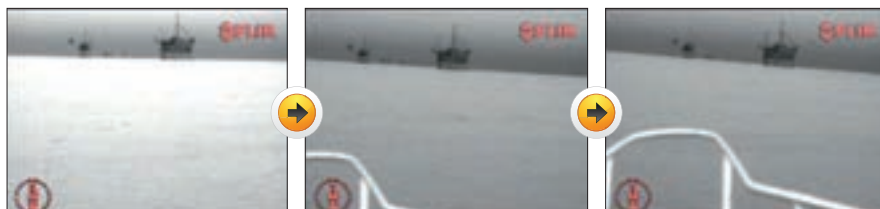
Touch the display (cue) and the thermal camera automatically moves to the cursor position (slew), allowing you to keep chart objects like buoys or obstructions in constant view.

AUTO SLEW TO AIS AND MARPA TARGETS

T Series cameras and Raymarine MFDs can Auto Slew to dangerous MARPA and AIS targets, keeping dangerous targets in the camera's sight during limited visibility situations.

MOB AUTO SLEW

The MFD and thermal camera will Auto Slew to a Man Over Board alarm location, maintaining the Man Over Board position in view at all times during a rescue situation.



INTRODUCING GYRO-STABILISATION

The Raymarine T470SC and T473SC thermal cameras feature gyro-stabilisation. The images to the left demonstrates the effectiveness of gyro-stabilization. As the vessel approaches these oil rigs it gradually speeds up so you can see how the camera compensates for the varying rates of boat movement up and down the waves.



T200 SERIES

The affordable T200 series fixed mount camera is designed to increase your situational awareness without blowing your budget.

Simple to mount and easy to integrate into your existing Raymarine electronics, the T200 Series outputs standard analogue video that can be easily displayed on almost any monitor at the helm or other locations on the vessel.

- Compact, fixed mount cameras
- Look-ahead visibility, targeting objects in the vessel's path
- Simple installation
- Easy integration with Raymarine multifunction displays
- User-selectable colour palettes for enhanced on-screen visibility
- 2x and optional 4x digital zoom for enlarging far-away targets
- Standard and high resolution options



Easily see navigation aids masked by bright urban background lighting



Stay alert to unlit watercraft, kayaks and paddle-boarders



FLIR OCEAN SCOUT HANDHELD THERMAL SCOPE

Ocean Scout is a rugged, compact thermal night vision camera that lets you see other vessels, landmarks, buoys, and floating debris in total darkness.

Now with a high resolution LCD display and FLIR's industry-leading thermal sensor technology, Ocean Scout makes your time on the water safer and more relaxing.



FLIR OCEAN SCOUT TK HANDHELD THERMAL SCOPE

The FLIR Ocean Scout TK is a marine thermal camera that extends your vision on the water, day or night, for greater awareness and safety. As a thermal imager, the Ocean Scout TK creates images based on heat, not visible light. Vessels, watercraft, buoys, and other obstacles give off heat and appear clearly in all lighting conditions – from pitch darkness to blinding sun glare.

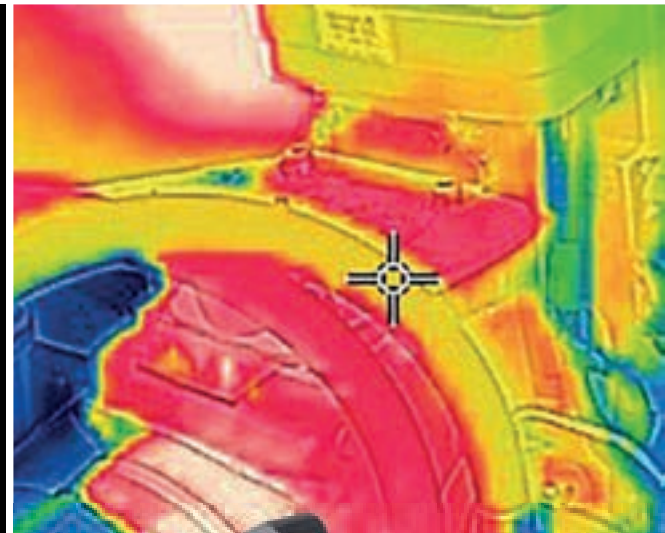


	RANGE & DETECTION	
	MOB	Small Vessel
Ocean Scout TK	100m (390ft)	
Ocean Scout 240	350m (1,150ft)	0.9 km (0.48nm)
Ocean Scout 320	550m (1,800ft)	1.5km (0.84nm)
Ocean Scout 640	1,140m (3,705ft)	3.2km (1.73nm)
T200/T203/T223/T220	450m (1,500ft)	1,280m (4,200ft)
T253/T250/T273/T270	820m (2,700ft)	2,200m (1.2nm)
T403/T400/T300/T303	450m (1,500ft)	1,280m (4,200ft)
T453/T450/T353/T350	820m (2,700ft)	2,200m (1.2nm)
T463/T460	1,200m (4,000ft)	3,200m (2.0miles)
T473SC/T470SC	1,200m (4,000ft)	3,900m (2.4miles)

RANGE AND DETECTION

The range at which Raymarine thermal night vision cameras detect objects is shown in the table (left). However, actual object detection range performance may vary depending on camera set-up, environmental conditions, user experience and display type.

Images for illustrative purposes only. Product information subject to change without prior notice



FLIR AX8 MARINE THERMAL MONITORING

Gain an entirely new view of your vessel's mechanical system with the new AX8 thermal monitoring camera. Combining thermal and visible cameras in a small, affordable package, the AX8 integrates with Raymarine multifunction displays (MFDs) and sends audible and visual alerts when the temperature of machine parts rise above preset thresholds.

Keep a watchful eye on such critical equipment as engines, exhaust manifolds, and shaft bearings and spot problems before they leave you stranded on the water. Exclusive MSX® imaging blends visible and thermal images for more detailed imagery that is easier to understand.



WHAT'S IN THE BOX AX8



- (1) Infrared camera with lens
- (2) Printed documentation
- (3) User documentation CD-ROM
- (4) Cooling/mounting plate
- (5) POE injector
- (6) Camera PoE Cable
- (7) Raymarine RayNet Ethernet cable

WHAT'S IN THE BOX OCEAN SCOUT

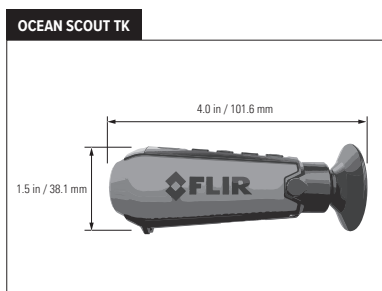
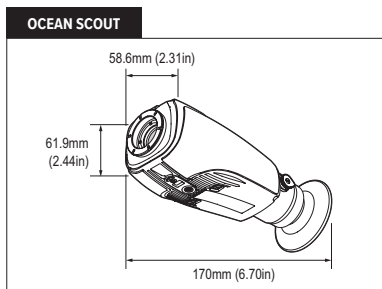
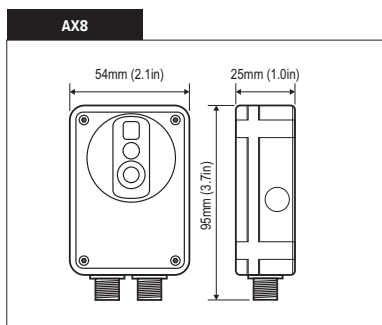
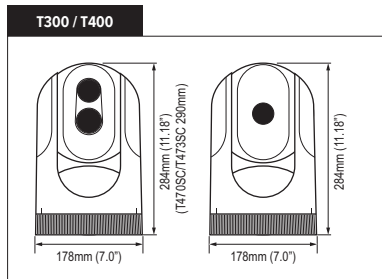
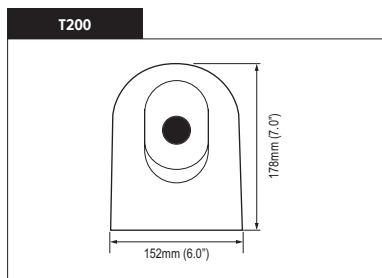


- (1) Ocean Scout thermal camera
- (2) Drawstring pouch
- (3) USB cable
- (4) Lens cover
- (5) Wrist wrap
- (6) Camera

WHAT'S IN THE BOX T300/T400 SERIES



- (1) T-Series thermal camera
- (2) Mounting fasteners
- (3) Ethernet waterproof coupler
- (4) Small O-ring
- (5) Large O-ring
- (6) Documentation pack (containing: camera mounting template, warranty policy and documentation CD.)



**WHAT'S IN THE BOX
T200 SERIES**



- | | |
|---|--|
| (1) Thermal camera | (9) Video connectors: Female to female F-type connector; |
| (2) Ethernet coupler | Female F-type to Male |
| (3) Power over Ethernet (PoE) Injector | RCA adaptor; Female F-type to BNC connector |
| (4) Mounting kit, consisting of: M8 nylock nut; acorn nut; stud; washer | (10) Zip ties |
| (5) O-ring | (11) 1 m (3.28ft.) RayNet to SeaTalk [®] cable |
| (6) Top-down fixing | (12) 7.7m (25ft.) Ethernet cable |
| (7) Documentation pack | (13) 7.7m (25ft.) Coaxial video cable. |
| (8) Grounding strap securing nut | |

AX8

IR RESOLUTION
80x60 pixels

FOCUS
Fixed

FIELD OF VIEW
48° x 37°

DETECTOR TYPE
Focal Plane Array (FPA) Uncooled Microbolometer

BUILT-IN DIGITAL CAMERA
640x480

MEASUREMENT
-10°C to +150°C (14°F to 302°F)

WATERPROOF RATING
IP67 (IEC 60529)

ETHERNET POWER
Power over Ethernet, PoE IEEE 802.3as class 0

T200 SERIES

DETECTOR TYPE
T20X/T22X: 320 x 240 VOx Microbolometer
T25X/T27X: 640 x 480 VOx Microbolometer

FIELD OF VIEW
T20X/T22X: 24° x 18° NTSC
T25X/T27X: 25° x 20° NTSC

IMAGE PROCESSING
FLIR Proprietary Digital Detail Enhancement

FOCAL LENGTH
T20X/T22X: 13mm
T25X/T27X: 25mm

VIDEO OUTPUT
NTSC or PAL, 25Hz or <9Hz (Check ordering information for more details)

PAN/TILT COVERAGE
Pan: ±30° per key | Tilt: +34°, -27° (Locked in at Installation)

CONNECTOR TYPES
F-type BNC with BNC-to-RCA adapter included for video out

POWER REQUIREMENTS
PoE injector required per IEEE 802.3af

OCEAN SCOUT

DETECTOR TYPE
OS240: 240 x 180 VOx Microbolometer
OS320: 336 x 256 VOx Microbolometer
OS640: 640 x 512 VOx Microbolometer

VIDEO REFRESH RATE
<9Hz NTSC or 30 Hz

FIELD OF VIEW (HXV)
OS240: 24° x 18° NTSC
OS320: 17° x 13° NTSC
OS640: 18° x 14° NTSC

DISPLAY
640 x 480 LCD Display

BATTERY TYPE
Internal Li-ion cell

BATTERY LIFE
Up to 5 hours

WATERPROOF RATING
IP67, submersible

T300/400 SERIES

VIDEO RESOLUTION
320 x 240 or 640 x 480
Check ordering information for more details

FIELD OF VIEW
T300, T303, T400, T403 = 24° x 19°
T350, T353, T450, T453 = 25° x 20°
T460, T463 = 12° x 10°
T470SC, T473SC = 18° x 14°

IMAGE PROCESSING
FLIR Proprietary Digital Detail Enhancement

FOCAL LENGTH
T300, T303, T400, T403 = 19mm
T350, T353, T450, T453 = 25mm
T460, T463 = 50mm
470SC, T473SC = 35mm

VIDEO OUTPUT
NTSC, 25Hz or 9Hz
Check ordering information for more details

PAN/TILT COVERAGE
Pan: Full 360° pan Tilt: ±90°

CONNECTOR TYPES
T300 models: 1x F Type Video Connector with F to BNC adaptor included
T400 models: 2x F Type Video Connector (InfraRed and Low Light)

POWER REQUIREMENTS
12 VDC to 24 VDC (-10% / +30%)

OCEAN SCOUT TK

DETECTOR TYPE
160 x 120 VOx Microbolometer

VIDEO REFRESH RATE
<9Hz

FIELD OF VIEW (HXV)
20° x 16°

DISPLAY
640 x 480 LCD Display

BATTERY TYPE
Internal Li-ion cell

BATTERY LIFE
Up to 5 hours

Images for illustrative purposes only. Product information subject to change without prior notice

INSTRUMENTS

ANALOGUE & DIGITAL



i70s: MAXIMUM VISIBILITY AND MAXIMUM VERSATILITY

The i70s multifunction gives you the flexibility to display instrument and navigation data that is most important to you. Equipped with a bold and bright 4.1" display the i70s is easy to customise with digital, analogue and graphical displays of depth, speed, wind and more. Add the i70s to your existing Raymarine instrument system or create a network of i70s displays and sensors, the choice is yours.

KEY FEATURES

- 4.1" super bright oversized LCD for maximum visibility
- All weather optically bonded display technology delivers brighter colours, sharper contrast, and a wide viewing angle
- New glass bridge industrial design compliments Raymarine eS and gS Series multifunction displays
- Simple user interface with sculpted rubber keypad for precise operation in all conditions
- Customisable data displays of depth, speed, wind and more
- SeaTalk^{ng} networking for seamless connectivity to Raymarine systems and NMEA2000* networks
- NMEA2000 data connectivity* for engine, environment, fuel and navigation
- Combine the i70s with the ITC-5 instrument transducer convertor and connect to analogue depth, speed, and wind sensors
- Supplied with both black (eS Series style) and (e Series style) gunmetal bezels and protective suncover

*NMEA2000 certification pending. A DeviceNet to SeaTalk^{ng} adaptor is required for connecting the i70s to NMEA2000 backbone.



CUSTOMISATION

The Raymarine i70s instrument is easily customised to suit your personal boating requirements. From traditional analogue dials to engine information and tank levels, i70s has the capability to show it all.

NETWORKING

Raymarine i70s allows for connectivity to the following on board networks:

- First generation SeaTalk networks using a SeaTalk to SeaTalk^{ng} adapter cable
- Current generation SeaTalk^{ng} networks
- NMEA2000 networks using a SeaTalk^{ng} to DeviceNet adaptor
- In addition to flexible networking capability the i70s features user-selectable data sources, for integration with multi-sensor networks.

AIS REPEATER

Displays AIS targets from NMEA 2000 AIS receivers. View the closest 25 AIS-equipped vessels and select individual targets to obtain vessel information.



i50 Speed

i50 Depth

i50 Tridata

i50 & i60 ANALOGUE & DIGITAL INSTRUMENTS

The i50 and i60 instruments are designed to complement Raymarine's latest generation multifunction displays. These stylish, dedicated-function instruments are the perfect solution for smaller power boats, yachts, and RIBs. The i50 range consists of 3 digital displays: speed and depth displays with extra-large digits and a multi-line tridata unit. Designed primarily for the sailboater, i60 covers wind and close hauled wind options in analogue and digital formats.

Excellent viewing angles for both day and night conditions, and simple push-button controls make i50 and i60 instruments extremely easy to see and use. They are also simple to install thanks to the front-mount design.

GENERAL FEATURES

- i60: Large analogue dials
- i50: Large numerals and digits
- SeaTalk and SeaTalk^{ng} interfaces
- NMEA 2000 support
- Built-in transducer interface
- 110mm x 115mm footprint
- Low power consumption
- Multiple data source support eliminates potential data conflicts
- Front-mounted design for simple installation



i60 CH Wind



i60 Wind



Optional black bezel for
i50/i60/i70 instruments matches style of eS Series displays

i40 COMPACT SPEED, DEPTH, WIND & BIDATA INSTRUMENTS

Big displays for smaller powerboats, yachts and RIBs, these compact yet powerful SeaTalk instruments offer full integration with Raymarine autopilots and navigation equipment and can be surface or trunion-mounted. Easy-to-use i40 instruments have extra-large (28mm max) digits and razor-sharp LCDs for outstanding visibility in all lighting conditions.



i40 Speed



i40 Bidata



i40 Wind

RAYMARINE WIRELESS

You need instant access to accurate data and displays that are absolutely reliable. Raymarine Wireless instruments display all the data you'll need and there are no wires running through your hull or down your mast.

RACING INSTRUMENTS

You want the best chance of crossing the line first. You need instant access to accurate data, and displays that are absolutely reliable. Raymarine wireless instruments display all the data you'll need and have user-configurable pages, crucial for racing performance and there are no wires running through your hull or down your mast.



WIRELESS REMOTE

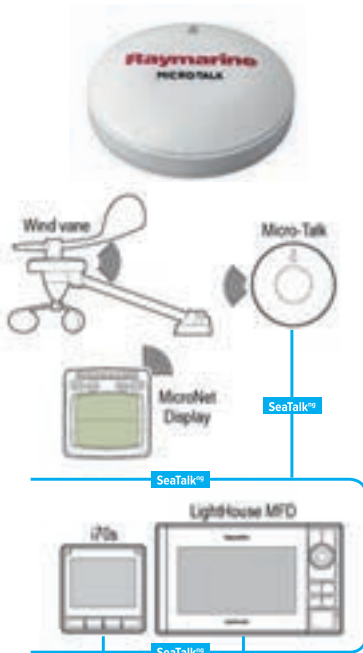
Not just a remote control. More an essential item of equipment for those serious about winning.

The Raymarine Wireless Remote Display controls, configures and repeats all the data you need to improve performance.



CRUISING INSTRUMENTS

Cruising the open oceans, your peace of mind depends on having accurate and visible data. The range provides all this in a system designed to be completely flexible. They are simple to install with no holes to drill in your bulkhead or wires to thread down your mast.



NEW MICRO-TALK WIRELESS PERFORMANCE SAILING GATEWAY

The Micro-Talk gateway provides a link between the Raymarine wireless Micronet system and the Raymarine SeaTalk[®] network. Benefits include:

- Performance sailing with wireless wind enhancement on your Raymarine MFD; with accurate lay lines
- Use the power of your Raymarine MFD to inspire enhanced competitive sailing
- True wind achieved with sophisticated airflow and yaw algorithms
- Provides real-time data with robust and fast refresh rate
- Mast rotation position sensing, for wing sail boats
- Quick installation, light and wireless connection to wind vane
- Low power when used with Raymarine solar-powered wireless devices



RACE MASTER

The ultimate tactical race compass and wind shift indicator. Its two-tier display shows your heading, how far you're above or below the mean course, and how much you're being headed or lifted. It will enable you to quickly and easily establish the favoured end of the start line, and will help you sail the shortest distance to the windward mark. Downwind, you can see how far off dead downwind you are and when you should gybe for optimal VMG.

MICRO COMPASS

Micro Compass gives you a massive racing advantage. It is light, easy to read, reliable and precise. The Micro Compass's tactical scale gives you clear stable figures for port and starboard tacks. Simple twin display for easy wind shift alert. Great aid to training.

SPECIFICATIONS

NOMINAL VOLTAGE

i40/i50/i60: 12Vdc

WATERPROOFING

IPX6

CONNECTIONS

i40: SeaTalk, Transducer connections.

i50/i60: 2x SeaTalk[®] and transducers

Compatible with marine industry CAN systems

i70s: SeaTalk[®] - compliant with NMEA2000 and SeaTalk specifications

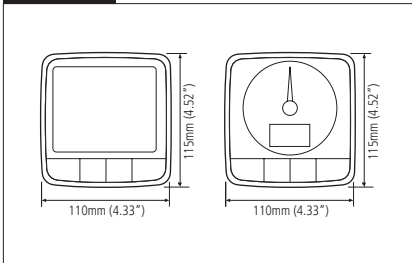
Compatible with marine industry CAN systems

NOMINAL VOLTAGE

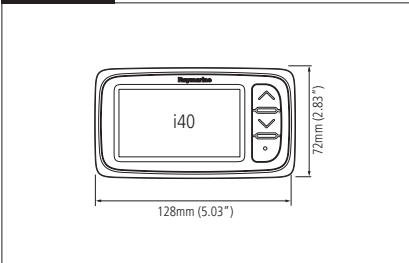
i40/i50/i60: 12Vdc

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.

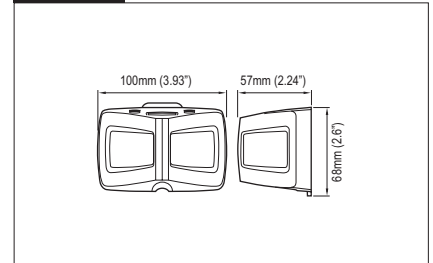
i50 | i60 | i70s



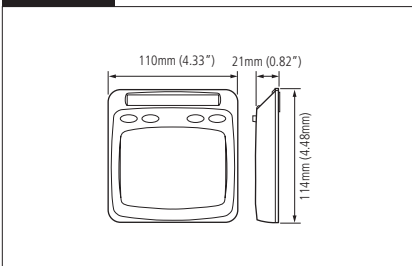
i40



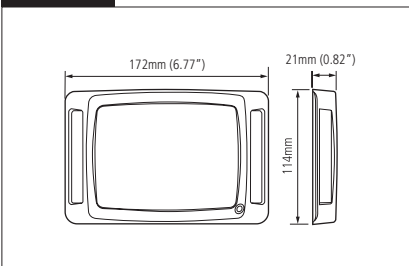
MICRO COMPASS



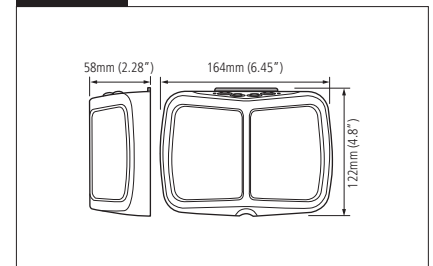
T100



T200



RACE MASTER



**WHAT'S IN THE BOX
i40 INSTRUMENTS**



- (1) i40 Instrument
- (2) Instrument Suncover
- (3) Mounting Gasket
- (4) Clamping Bracket
- (5) Fixing Studs and Nuts
- (6) SeaTalk Power Cable
- (7) Documentation Pack

**WHAT'S IN THE BOX
i50/i60 INSTRUMENTS**



- (1) i50 Instrument
- (2) Front Bezel x2
- (3) SeaTalk[®] Spur Cable
- (4) Gasket
- (5) Suncover x2
- (6) Documentation Pack
- (7) SeaTalk[®] blanking plug
- (8) 4x Fixing Screws

**WHAT'S IN THE BOX
i70s INSTRUMENTS**



- (1) i70s Instrument
- (2) Front Bezel
- (3) SeaTalk[®] Spur Cable
- (4) Gasket
- (5) Suncover
- (6) Documentation Pack
- (7) SeaTalk[®] blanking plug
- (8) 4x Fixing Screws



DIGITAL SWITCHING

VESSEL SYSTEM CONTROL & AUTOMATION





WHAT IS DIGITAL SWITCHING?

Raymarine Digital Switching brings all the power and convenience of advanced home automation to your boat. Digital Switching allows you to control onboard electrical and electronic systems like lighting, air-conditioning, navigation lights, wipers, horns, entertainment systems, security systems and much more from your network-connected multifunction displays, smartphone or tablet.

Raymarine Digital Switching replaces the standard mechanical circuit breakers and switches with state-of-the-art digital power distribution. This system not only offers convenience and ease-of-use, it also delivers on the promise of seamless, reliable operation as well as simple and cost-effective installation.



MOBILE DEVICES

With Raymarine Control and Remote Apps, you can take control using a tablet or smartphone.



RAYMARINE MFDS

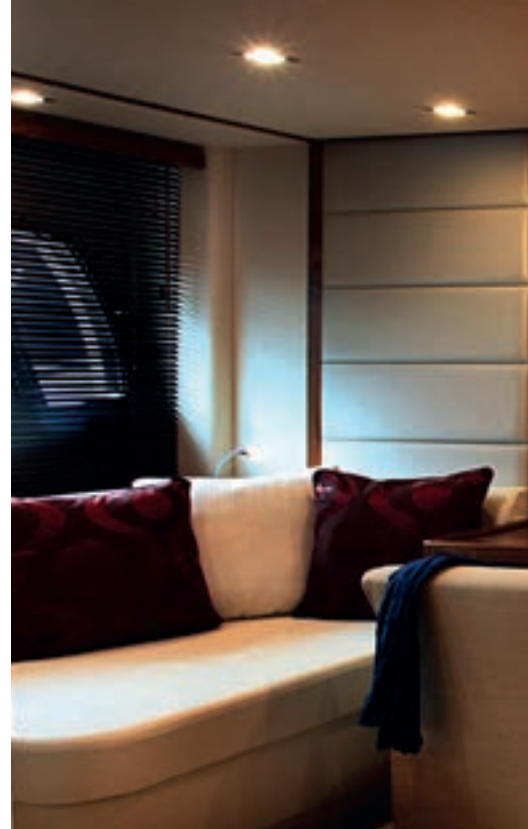
Control your environment and onboard technology using Raymarine a/c/e/eS Series displays or gS Series glass bridge displays.



DIGITAL SWITCHING: ELEGANT SIMPLICITY

Instead of bulky and expensive switch panels, Raymarine's Digital Switching system uses rugged and compact digital Circuit Control Modules (CCMs.) Each CCM supports multiple circuits that are customised to meet the exact needs of the equipment being controlled.

Each CCM connects to the vessel's existing NMEA 2000 network backbone allowing it to communicate with other CCMs and multifunction displays onboard. This flexible network architecture enables the CCMs to be mounted near the equipment they are controlling. This benefits the boat builder and owner by creating a system that is simpler to install and troubleshoot than traditionally switched systems. Significant cost savings can be easily realised due to the faster installation and reduced amount of cable required to wire the vessel's systems.



Assets for every type of circuit switch or monitor

Fully customisable screens. Assets may be dragged and dropped into any configuration

Screens can be personalised by uploading boat images



MASTER CONTROL UNIT (MCU)

The Master Control Unit is the central processor that drives the system, providing computing power, intelligence and decision making. In addition, there are various interfaces for connection to external devices and a remote control port.

The MCU is a NMEA 2000 device that talks to other system components via the NMEA 2000 network. The MCU stores and executes configuration files for installation; holding data for every DC Module and Membrane Panel present. Should a Module or Membrane panel need to be replaced, the MCU distributes data to the replacement once the base address of the new component has been entered.



CIRCUIT CONTROL MODULE

The Circuit Control Module (CCM) is a NMEA 2000 device that is connected to the main DC Bus and provides inputs and outputs to the system. With multiple input capabilities and ranges, the CCM is an extremely versatile and cost effective means of interfacing system signals - when combined with the powerful software, complex monitoring and control systems are easily realised.



Trim tabs



Bilge Pumps



AC and DC Power



COMPATIBLE WITH ENOCEAN WIRELESS SWITCHES, SENSORS, AND CONTROLS

Completely wireless and self-powered, ENOcean-enabled switches, sensors, and climate controls use state-of-the-art energy-harvesting technology. Wireless-enabled CCMs can support up to 16 ENOcean wireless devices.

ENOcean wireless light switches, thermostats, and motion sensors can be installed anywhere because they never need wires, batteries, or a power connection. ENOcean channels available.

EmpirBus

Raymarine is proud to partner with Trigent AB and integrate with the EmpirBus NXT distributed power supply system. Based in Uddevalla, Sweden, Trigent has over 10 years of experience developing and deploying ruggedised power distribution systems for marine applications and speciality vehicles. Trigent's power distribution products are used by commercial, industrial and military customers around the world.

DIGITAL SWITCHING SPECIFICATIONS

CIRCUIT CONTROL MODULE (CCM) DETAILS:

OUTPUTS

- Configurable fuse setting up to 18A
- High and low-side options for reversible function
- Dimming function, including soft start/stop
- Under-current circuit detection

INPUTS

- Configurable thresholds for alarms and/or graphical functions
- Plus or minus sensing for digital
- Analogue inputs for voltage (0-32V), current (4-20mA) or resistive

MULTIPLEXED CHANNELS

Up to 4 circuits may be multiplexed onto a single channel

TANK MONITORING

Calibration with set points

WINDOW WIPER FUNCTIONS

High/low speed, interval etc...

MASTER CONTROL UNIT (MCU) DETAILS:

The Master Control Unit (MCU) provides numerous benefits to the existing Circuit Control Modules (CCMs):

- In larger systems, the MCU stores the full configuration and ensures effective communication between CCMs.
- The MCU-200 adds GSM capabilities to the system. A dedicated SIM card slot allows the MCU-200 to connect to a mobile GSM network and communicate with a smartphone via text messaging.
- The MCU-150 offers a dedicated CAN-bus link to third-party systems such as air conditioning, battery management etc.



AIS RECEIVERS & TRANSCEIVERS

SEE AND BE SEEN



AIS (Automatic Identification System) systems enable the wireless exchange of navigation status between vessels and shore-side traffic monitoring centres. Commercial ships, ocean-going vessels and recreational boats equipped with AIS transceivers broadcast AIS messages that include the vessel's name, course, speed and current navigation status.



VHF WITH AIS

See page 66 to learn about the Ray70 multifunction VHF with an integrated AIS receiver.

RECEIVE-ONLY AIS

- Inexpensive and low-powered
- Receive and see other vessels Class A and Class B data on Raymarine MFD radar and/or chartplotter

CLASS A AIS

- Required for IMO/SOLAS commercial vessels
- Class A transmits and receives the full set of AIS information

CLASS B AIS

- For small commercial vessels and pleasure vessels that do not need to comply with IMO/SOLAS regulations
- Transmits shortened/simplified AIS information at a slightly less frequent rate than Class A
- Provides less AIS functionality than Class A
- Uses lower transmission power



AIS950 TRANSCEIVER (CLASS A)

- Combined receiver and transmitter
- Approved for deep sea and inland waterway standards (royalty costs apply)
- Fully compliant Class A AIS product
- Advanced radio communications technology
- Intuitive user interface for easy access to all information
- Large, high visibility mono LCD

AIS650 TRANSCEIVER (CLASS B)

- Transmit your boat's data to AIS equipped vessels
- Receive and see data on Raymarine MFD radar and/or chartplotter screens
- Engineered for high performance and seamless integration with Raymarine navigation systems

AIS350

TRANSMITTER TYPE

Listen only AIS receiver

RECEIVERS

2 Receivers

OPERATING VOLTAGE RANGE

9.6V - 31.2V DC

AIS650

TRANSMITTER TYPE

Class B AIS transceiver

RECEIVERS

2 Receivers

TRANSMITTERS

1 Transmitter

OPERATING VOLTAGE RANGE

9.6V - 31.2V DC

AIS950

TRANSMITTER TYPE

Class A AIS transceiver

RECEIVERS

2x TDMA 156.025 MHz to 162.025 MHz and 1x DSC 156.525 (channel 70)

TRANSMITTERS

1 Transmitter

GPS RECEIVERS (AIS INTERNAL)

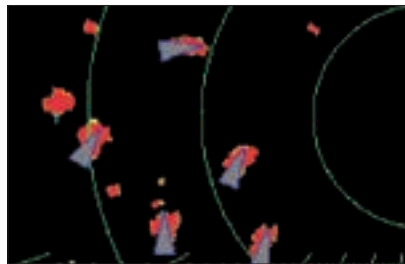
IEC 61108-1 compliant

OPERATING VOLTAGE RANGE

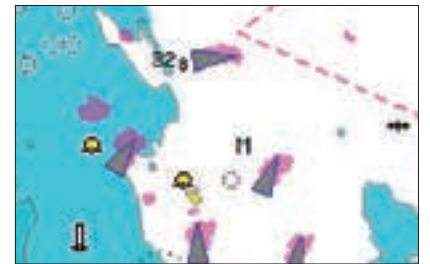
10.8 to 31.2v DC



AIS Target Intercept graphic overlays



AIS Targets overlaid on radar screen



AIS Targets overlaid on chart



AIS350 RECEIVER ONLY

- Dual-channel receive-only
- For small vessels wanting increased situational awareness, but without the need to transmit
- Low cost alternative brings AIS safety advantages to a wider range of vessels

**WHAT'S IN THE BOX
AIS350/AIS650**



- (1) AIS unit
- (2) Documentation pack
- (3) Fixing screws
- (4) SeaTalk[®] dust cap
- (5) 2m (6.5ft.) power / data cable
- (6) 1m (3.25ft.) SeaTalk[®] spur cable

Note: AIS 650 includes GPS



VHF RADIOS

You'll always be heard loud and clear with a VHF radio from Raymarine. Whether it's the compact Ray50, full-sized Ray60, or multifunction Ray70, you can depend on your Raymarine VHF for years of trouble-free communication at sea.



RAY260 MODULAR VHF

Premium VHF system with remote transceiver, speaker, and handset. Built-in loudhailer/foghorn plus multi-station intercom capability. Available with an integrated AIS receiver.





SPECIFICATIONS

OPERATING VOLTAGE

9V DC to 16V DC (Ray260 10.8 to 15.6V)

WATERPROOFING STANDARD

Ray50/60/70: IPX6/IPX7 complies with EN60945

Ray260: IPX7

COMMUNICATIONS PORT

NMEA 0183 (version 4.01); NMEA2000 (version 3.0)

POWER OUTPUT

High Power = 25 Watt | Low Power = 1 Watt

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.

EVERY RAYMARINE VHF OFFERS

- Simple operation with intuitive icons and menus
- Easy-to-read LCD displays with red backlighting
- Commercial-grade transceivers with stable, powerful output, and high receiver sensitivity
- Sleek, premium designs that match Raymarine Instruments, MFDs and Glass Bridge Displays



RAY50 AND RAY52 COMPACT VHF

The Ray50 and 52 VHF pack a powerful communications system into a case that is small enough to mount just about anywhere. The Ray52 features integrated GPS for easier DSC communications.



RAY60 VHF RADIO WITH DUAL STATION CONTROL AND INTERCOM CAPABILITY

The Ray60 is a full-sized VHF radio that is packed with essential communications features every boater needs.

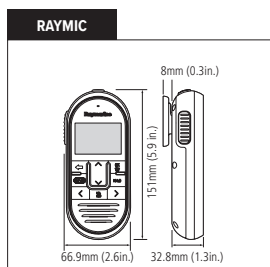
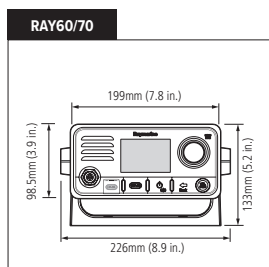
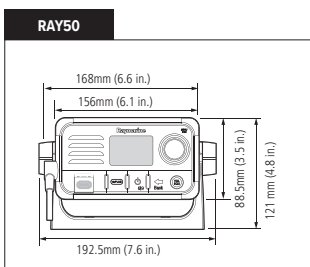


RAY70 MULTIFUNCTION RADIO: ALL-IN-ONE VHF, AIS RECEIVER, LOUDHAILER AND INTERCOM

Hear and be heard! The Ray70 from Raymarine is the ultimate all-in-one communications solution for Captains who demand the best. Ray70 features full-function VHF, loudhailer output, AIS receiver, and is dual-station capable with the optional RayMic accessory.

RAYMIC

The Ray70 VHF Radio also supports the optional second station RayMic handset for remote locations. This gives you full-function VHF and intercom capability from a second location onboard.



WHAT'S IN THE BOX RAY50



- (1) Ray50 with Fistmic
- (2) Suncover
- (3) Panel mount gasket
- (4) Mounting bracket
- (5) Mounting bracket knobs
- (6) Fistmic mounting clip
- (7) 4x Mounting bracket fixings
- (8) Documentation
- (9) 4x panel mount fixings
- (10) Protective antenna boot
- (11) 2x Fistmic mounting clip fixings
- (12) SeaTalk[®] 400mm (15.7in) spur cable

WHAT'S IN THE BOX RAY60/RAY70



- (1) Ray60 / Ray70 radio
- (2) Sun cover
- (3) Flush mount gasket
- (4) Fistmic
- (5) Mounting bracket
- (6) Mounting bracket knobs
- (7) Fistmic mounting clip
- (8) Documentation
- (9) Protective antenna boot
- (10) 2x Fistmic mounting clip fixings
- (12) SeaTalk[®] 400mm (15.7in.) spur cable

WHAT'S IN THE BOX RAY260



- (1) Ray260 Base station
- (2) Ray260 Handset
- (3) Ray260 speaker including cable
- (4) Speaker gasket
- (5) 4x screws for base station mounting
- (6) 2x Screws for handset mounting
- (7) SeaTalk[®] blanking plug
- (8) 2x handset station blanking plugs
- (9) Handset extension kit
- (10) 4x Thumb nut and studs for speaker mounting
- (11) Handset mounting clip
- (12) Documentation pack
- (13) Power / Data cable 1m (3.3ft.)

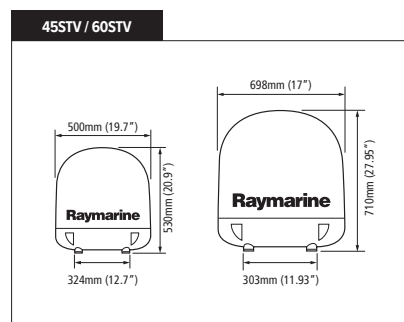
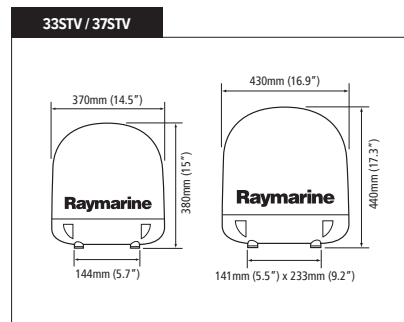
SATELLITE TV ANTENNA SYSTEMS





Raymarine's Satellite TV antennas bring the same combination of high performance and ease-of-use to your onboard entertainment that you would expect from your home entertainment system.

- Compact domes
- Automatically track and receive satellite TV signals in almost any conditions
- Access to hundreds of digital channels
- Quickly identify and acquire satellite signals
- Once you have a fix on the satellite signal, tracking algorithms will help you keep it
- Designed to cope with tough conditions
- Dynamic Beam Tilting (DBT) continuously measures and compensates for your vessel's heading, pitch and roll – keeping your antenna locked on a satellite for a clear picture



DUAL OR QUAD LNB

- Connect multiple television receivers and tune in to different channels on each television
- Dual systems (33 and 37STV) allow the connection of two television receivers and the Quad systems (45 and 60STV) connection of four receivers

WHAT'S IN THE BOX SAT TV



- (1) Antenna Unit
- (2) Antenna Control Unit
- (3) Installation Kit
- (4) Cables
- (5) Documentation

Images for illustrative purposes only. Product information and package contents subject to change without prior notice.

SATELLITE TV FEATURES

	33STV	37STV	45STV	60STV
Dual or Quad LNB design for multiple receivers	Dual	Dual	Quad	Quad
DVB (Digital Video Broadcast) compatible	●	●	●	●
Dish diameter (cm)	13in (33cm)	14.6in (37cm)	17.7in (45cm)	23.6in (60cm)
Wide Range Search Algorithm for high speed search and fast satellite acquisition	●	●	●	●
Dynamic Beam Tilting (DBT) technology signal tracking in extreme weather and sea conditions	●	●	●	●
High Definition (HD) compatible	●	●	●	●
Enhanced signal reception and improved antenna gain for better performance				●
NMEA 0183 GPS position input capability for reduced acquisition time	●	●	●	●
Conical scanning detects strongest satellite signal for enhanced stabilisation	●	●	●	●
Enhanced elevation angles to maintain satellite fix				●
Automatic LNB skew control (not USA)			Optional	●
Rotating sub-reflector redirects signal for reduced dish movement and quieter operation	●	●	●	●
Suggested vessel size	20–25ft (6–7.6m)	25–35ft (7.6–10.7m)	35–50ft (10.7–15.2m)	over 50ft (over 15.2m)
Built in GPS		●	●	●
Tracks DUB-S2 or HD Transponders	●	●	●	●

2017 PRICING

The information contained in this price list, to the best of our knowledge, was correct as it went to press. However, the Raymarine policy of continuous improvement and updating may change product information and pricing without prior notice. Therefore, differences in products and prices may occur from time to time, for which liability cannot be accepted by Raymarine.

PART NO.	DESCRIPTION	Price No TAX
Wi-FISH & Dragonfly		
Wi-FISH ECHO SOUNDER		
E70290	Wi-FISH black box Wi-Fi DownVision sonar including CPT-DV Transducer	€ 199,00
DRAGONFLY 4		
E70294	Dragonfly 4Pro fishfinder 4.3" screen with CHIRP Downvision and Sonar including CPT-DVS transducer, Wi-Fi, GPS Chart Plotter	€ 319,00
E70294-CEUR	Dragonfly 4Pro fishfinder 4.3" screen with CHIRP Downvision & Sonar including CPT-DVS transducer, Wi-Fi, GPS Chart Plotter & EU CMAP Essentials Chart	€ 349,00
E70294-EU	Dragonfly 4Pro fishfinder 4.3" screen with CHIRP Downvision & Sonar including CPT-DVS transducer, Wi-Fi, GPS Chart Plotter & EU Navionics Silver Chart	€ 349,00
DRAGONFLY 5		
E70295	Dragonfly 5m 5" GPS Chart Plotter	€ 365,00
E70295-CEUR	Dragonfly 5m 5" GPS Chart Plotter and European CMAP Essentials Chart	€ 395,00
E70295-EU	Dragonfly 5m 5" GPS Chart Plotter and European Navionics Silver Chart	€ 395,00
E70293	Dragonfly 5Pro fishfinder 5" screen with CHIRP Downvision and Sonar including CPT-DVS transducer, Wi-Fi & GPS Chart Plotter	€ 465,00
E70293-CEUR	Dragonfly 5Pro fishfinder 5" screen with CHIRP Downvision & Sonar including CPT-DVS transducer, Wi-Fi, GPS Chart Plotter & EU CMAP Essentials Chart	€ 495,00
E70293-EU	Dragonfly 5Pro fishfinder 5" screen with CHIRP Downvision & Sonar including CPT-DVS transducer, Wi-Fi, GPS Chart Plotter & EU Navionics Silver Chart	€ 495,00
DRAGONFLY 7		
E70320	Dragonfly-7 Pro 7" Sonar GPS with CHIRP DownVision & CPT-DVS Transom Mount Transducer, No Chart	€ 595,00
E70320-CEUR	Dragonfly-7 Pro 7" Sonar GPS with CHIRP DownVision & CPT-DVS Transom Mount Transducer, European CMAP Essentials Chart	€ 645,00
E70320-EU	Dragonfly-7 Pro 7" Sonar GPS with CHIRP DownVision & CPT-DVS Transom Mount Transducer, European Navionics Silver Chart	€ 645,00
DRAGONFLY ACCESSORIES		
A80366	Dragonfly 4 & 5 Flush Mounting Kit	€ 40,00
A80367	Sun Cover for Wi-Fish, Dragonfly 4 & 5 when flush mounted	€ 15,00
A80371	Sun Cover for Wi-Fish, Dragonfly 4 & 5 when bracket mounted	€ 30,00
A80347	Dragonfly-7 Pro Flush Mounting Kit	€ 50,00
A80348	Sun Cover for Dragonfly 7 when flush mounted	€ 15,00
A80372	Sun Cover for Dragonfly 7 when bracket mounted	€ 35,00
R70375	Dragonfly 4, 5 & 7 Mounting Bracket	€ 40,00
R70373	CPT-DV Transducer, for Dragonflies with yellow locking collar	€ 80,00
R70374	CPT-DVS Transducer, for Dragonflies with green locking collar	€ 100,00
A80278	CPT-70 Plastic Through Hull Chirp Transducer, Depth & Temp, Dragonfly only (10m cable)	€ 295,00
A80349	CPT-80 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Dragonfly only (10m cable)	€ 345,00
A80329	CPT-80/CPT-120 High Speed Fairing	€ 80,00
A80312	CPT-DV / CPT-DVS Extension cable 4m (Green / Yellow locking collar)	€ 30,00
A80330	CPT-DV / CPT-DVS / CPT-100DVS Trolling Motor Mount	€ 30,00
R70439	CPT-DV / CPT-DVS Transom Mount	€ 25,00
A80332	Dragonfly 4/5/6/7 adaptor for CPT-60/70/80 (Green / Yellow locking collar)	€ 30,00
A80331	Dragonfly 6 & 7 CPT-DV / CPT-DVS Adaptor Cable	€ 30,00
R70376	Dragonfly 5m Power cable 1.5m	€ 40,00
CARTOGRAPHY		
R70281	Navionics+ Update on µSD (Upgrade Silver to Navionics+ with freshest data, sonar charts & community layer)	€ 99,00
R70269	Navionics+ on µSD (Download Navionics+ level regional charts with sonar charts, freshest data and community layers)	€ 199,00

PART NO.	DESCRIPTION	Price No TAX
a-Series (6" & 7")		
a65 MULTIFUNCTION DISPLAYS WITH WI-FI		
E70162	a65 5.7" Multifunction Display with Wi-Fi No Chart	€ 695,00
E70162-CEUR	a65 5.7" Multifunction Display with Wi-Fi and European CMAP Essentials Chart	€ 745,00
E70162-EU	a65 5.7" Multifunction Display with Wi-Fi and European Navionics Silver Chart	€ 745,00
E70162-GD	a65 5.7" Multifunction Display with Wi-Fi and Europe/ROW Small Gold Download Chart	€ 795,00
a67 MULTIFUNCTION DISPLAYS WITH FISHFINDER AND WI-FI		
E70163	a67 5.7" Multifunction Display with Built-in Fishfinder and Wi-Fi No Chart	€ 795,00
E70163-CEUR	a67 5.7" Multifunction Display with Built-in Fishfinder and Wi-Fi and European CMAP Essentials Chart	€ 845,00
E70163-EU	a67 5.7" Multifunction Display with Built-in Fishfinder and Wi-Fi and Navionics European Navionics Silver Chart	€ 845,00
E70163-GD	a67 5.7" Multifunction Display with Built-in Fishfinder and Wi-Fi, Europe/ROW Small Gold Download Chart	€ 895,00
a68 MULTIFUNCTION DISPLAYS WITH DOWNVISION AND WI-FI		
E70201	a68 5.7" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, No Transducer, No chart	€ 845,00
E70207	a68 5.7" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, CPT-100 Transom Mt Transducer, No chart	€ 945,00
T70201-CEUR	a68 5.7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU CMAP Essentials Chart	€ 995,00
T70201-EU	a68 5.7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU Navionics Silver Chart	€ 995,00
T70201-GD	a68 5.7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU/ROW SM Gold D/L Chart	€ 1.045,00
a75 MULTIFUNCTION DISPLAYS WITH WI-FI		
E70166	a75 7" Multifunction Display with Wi-Fi, No Chart	€ 795,00
E70166-CEUR	a75 7" Multifunction Display with Wi-Fi and European CMAP Essentials Chart	€ 845,00
E70166-EU	a75 7" Multifunction Display with Wi-Fi and European Navionics Silver Chart	€ 845,00
E70166-GD	a75 7" Multifunction Display with Wi-Fi and Europe/ROW Small Gold Download Chart	€ 895,00
a77 MULTIFUNCTION DISPLAYS WITH FISHFINDER AND WI-FI		
E70167	a77 7" Multifunction Display with Built-in Fishfinder and Wi-Fi, No Chart	€ 895,00
E70167-CEUR	a77 7" Multifunction Display with Built-in Fishfinder and Wi-Fi and European CMAP Essentials Chart	€ 945,00
E70167-EU	a77 7" Multifunction Display with Built-in Fishfinder and Wi-Fi, European Navionics Silver Chart	€ 945,00
E70167-GD	a77 7" Multifunction Display with Built-in Fishfinder and Wi-Fi, Europe/ROW Small Gold Download Chart	€ 995,00
a78 MULTIFUNCTION DISPLAYS WITH DOWNVISION AND WI-FI		
E70203	a78 7" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, No Transducer, No chart	€ 945,00
E70209	a78 7" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, CPT-100 Transom Mount Transducer, No chart	€ 1.045,00
T70203-CEUR	a78 7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU CMAP Essentials Chart	€ 1.095,00
T70203-EU	a78 7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU Navionics Silver Chart	€ 1.095,00
T70203-GD	a78 7" Multifunctional Display & CHIRP DownVision Fishfinder, Wi-Fi & CPT-100 TM T.ducer, EU/ROW Small Gold D/L Chart	€ 1.145,00
a75/a77/a78 QUANTUM RADAR PACKS		
T70282	a75 7" MFD with Wi-Fi, EU Navionics Silver Chart, Quantum Q24C 18" Radar with 10m Power & Data Cable	€ 2.295,00
T70283	a77 7" MFD with Sonar, Wi-Fi, EU Navionics Silver Chart, Quantum Q24C 18" Radar with 10m Power & Data Cable	€ 2.395,00
T70284	a78 7" MFD with DownVision Sonar, Wi-Fi, EU Navionics Silver Chart, Quantum Q24C 18" Radar with 10m Power &Data Cable	€ 2.495,00

PART NO.	DESCRIPTION	Price No TAX
a-Series (9" & 12")		
a95 MULTIFUNCTION DISPLAYS WITH WI-FI		
E70232	a95 9" Multifunction Display with Wi-Fi, No Chart	€ 1.345,00
E70232-CEUR	a95 9" Multifunction Display with Wi-Fi and European CMAP Essentials Chart	€ 1.395,00
E70232-EU	a95 9" Multifunction Display with Wi-Fi and European Navionics Silver Chart	€ 1.395,00
a97 MULTIFUNCTION DISPLAYS WITH FISHFINDER AND WI-FI		
E70233	a97 9" Multifunction Display with Built-in Fishfinder and Wi-Fi, No Chart	€ 1.495,00
E70233-CEUR	a97 9" Multifunction Display with Built-in Fishfinder with Wi-Fi and European CMAP Essentials Chart	€ 1.545,00
E70233-EU	a97 9" Multifunction Display with Built-in Fishfinder with Wi-Fi and European Navionics Silver Chart	€ 1.545,00
a98 MULTIFUNCTION DISPLAYS WITH DOWNVISION AND WI-FI		
E70234	a98 9" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, No chart	€ 1.595,00
E70234-CEUR	a98 9" Multifunction Display with CHIRP DownVision Fishfinder with Wi-Fi and European CMAP Essentials Chart	€ 1.645,00
E70234-EU	a98 9" Multifunction Display with CHIRP DownVision Fishfinder with Wi-Fi and European Navionics Silver Chart	€ 1.645,00
a125 MULTIFUNCTION DISPLAYS WITH WI-FI		
E70235	a125 12" Multifunction Display with Wi-Fi, No Chart	€ 2.745,00
E70235-CEUR	a125 12" Multifunction Display with Wi-Fi and European CMAP Essentials Chart	€ 2.795,00
E70235-EU	a125 12" Multifunction Display with Wi-Fi and European Navionics Silver Chart	€ 2.795,00
a127 MULTIFUNCTION DISPLAYS WITH FISHFINDER AND WI-FI		
E70236	a127 12" Multifunction Display with Built-in Fishfinder and Wi-Fi, No Chart	€ 2.895,00
E70236-CEUR	a127 12" Multifunction Display with Built-in Fishfinder with Wi-Fi and European CMAP Essentials Chart	€ 2.945,00
E70236-EU	a127 12" Multifunction Display with Built-in Fishfinder with Wi-Fi and European Navionics Silver Chart	€ 2.945,00
a128 MULTIFUNCTION DISPLAYS WITH DOWNVISION AND WI-FI		
E70237	a128 12" Multifunction Display with CHIRP DownVision Fishfinder and Wi-Fi, No chart	€ 2.995,00
E70237-CEUR	a128 12" Multifunction Display with CHIRP DownVision Fishfinder with Wi-Fi and European CMAP Essentials Chart	€ 3.045,00
E70237-EU	a128 12" Multifunction Display with CHIRP DownVision Fishfinder with Wi-Fi and European Navionics Silver Chart	€ 3.045,00
a-SERIES DOWNVISION AND SIDEVISION PACKS		
T70254	a78 DownVision & SideVision Pack with a78, 2m Raynet cable, CPT-100 transducer, CP200 and CPT-200 transducer	€ 1.495,00
T70255	a98 DownVision & SideVision Pack with a98, 2m Raynet cable, CPT-100 transducer, CP200 and CPT-200 transducer	€ 1.995,00
T70256	a128 DownVision & SideVision Pack with a128, 2m Raynet cable, CPT-100 transducer, CP200 and CPT-200 transducer	€ 3.145,00
CARTOGRAPHY		
R70281	Navionics+ Update on µSD (Upgrade Silver to Navionics+ with freshest data, sonar charts & community layer)	€ 99,00
R70269	Navionics+ on µSD (Download Navionics+ level regional charts with sonar charts, freshest data and community layers)	€ 199,00
ACCESSORIES		
T70293	System Remote Control Keypad (RMK-10) Portrait & Landscape	€ 345,00
E62351	RCU-3 Remote Control Unit	€ 95,00
A80288	GA150 GPS & Glonass antenna (a9, a12, eS9, eS12 direct connection only)	€ 100,00
E70310	Raystar 150 10Hz GPS/Glonass antenna (STng)	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00
A80007	HS-5 Network Switch (Raynet)	€ 295,00
R70147	a6 Trunnion Mount Kit	€ 45,00
R70149	a6 Suncover	€ 35,00
R70158	a7 Trunnion Mount Kit	€ 55,00
R70155	a7 Suncover	€ 35,00
R70305	a9 Trunnion Kit	€ 50,00
R70303	a9 Suncover	€ 45,00
R70309	a12 Trunnion Mount Kit	€ 55,00
R70307	a12 Suncover	€ 50,00
R70159	a6, a7, eS7 Power Cable 1.5m Straight	€ 45,00
A80221	a6, a7, eS7 Power Cable 1.5m Right Angle	€ 45,00
A80293	Rokk - Adjustable Deck Mount for Dragonfly, a6, a7 & e7	€ 75,00
CHIRP SONAR, DOWNVISION & SIDEVISION TRANSDUCERS		
E70342	CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer	€ 59,00
E70339	CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 149,00
A80448	CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 149,00
A80447	CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 149,00
A80446	CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 199,00
E70340	CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 199,00
E70341	CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 199,00
A80351	CPT-100DVS Transom Mount Chirp Transducer, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 100,00
A80277	CPT-110 Plastic Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 295,00
A80350	CPT-120 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 345,00
A80363	CPT-S Trolling Motor Mounting Kit	€ 30,00
R70496	CPT-S Transom Bracket with Hardware	€ 20,00

PART NO.	DESCRIPTION	Price No TAX
A80330	CPT-DV / CPT-DVS / CPT-100DVS Trolling Motor Mount	€ 30,00
A80273	Transducer Extension for CPT100, CPT110 & CPT120 (4m cable)	€ 30,00
DIGITAL CLEARPULSE TRANSDUCERS (a67/a77/a97/a127/c97/c127/e7D/e97/e127/eS97/eS127 Direct connect)		
A80150	P48 Depth/Temp Transom Mount Transducer (a/c/e/eS Direct connect)	€ 45,00
A102138	P58 D/S/T Transom Mount Transducer (a/c/e/eS Direct connect)	€ 95,00
E66073	P74 D/T In Hull/Trolling Transducer (a/c/e/eS Direct connect)	€ 115,00
A80170	P79 In Hull Depth Transducer (a/c/e/eS Direct connect)	€ 165,00
A80373	P79S In Hull Depth Smart Transducer (NMEA 2000 DeviceNet connection)	€ 330,00
T70278	P79S In Hull Depth Smart Transducer (NMEA 2000 with STNG adapter cable)	€ 350,00
A80171	P319 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 180,00
E66087	Bronze B60 D/T Through Hull Transducer 20° Angle (a/c/e/eS Direct connect)	€ 285,00
E66088	Bronze B60 D/T Through Hull Transducer 12° Angle (a/c/e/eS Direct connect)	€ 285,00
A66090	Bronze B744V D/S/T Transducer with Fairing Block (a/c/e/eS Direct connect)	€ 455,00
A80172	Bronze B258 Through Hull Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 710,00
A80173	Bronze B164 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 935,00
A80461	SS164 0° Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 1.200,00
A80462	SS164 12° Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 1.200,00
A80463	SS164 20° Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 1.200,00
A80214	Stainless Steel SS60 600W Depth/Temp 0 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80215	Stainless Steel SS60 600W Depth/Temp 12 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80216	Stainless Steel SS60 600W Depth/Temp 20 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
E66074	3m Transducer Extension Cable	€ 80,00
E66066	Transducer Adaptor Cable for CP370 & DSM transducers to a, c, e & gS Series	€ 80,00
A62363	1m Minnkota Adaptor Cable	€ 60,00

PART NO.	DESCRIPTION	Price No TAX
c-Series & e-Series		
c95/c97 MULTIFUNCTIONAL DISPLAY (NON TOUCH)		
E70011	c95 9" Multifunction Display No Chart	€ 1.695,00
E70011-CEUR	c95 9" Multifunction Display with European CMAP Essentials Chart	€ 1.745,00
T70022	c95 9" Multifunction Display with European Navionics Silver Chart	€ 1.745,00
E70012	c97 9" Multifunction Display with Built-in Fishfinder No Chart	€ 1.845,00
E70012-CEUR	c97 9" Multifunction Display with Built-in Fishfinder, European CMAP Essentials Chart	€ 1.895,00
T70023	c97 9" Multifunction Display with Built-in Fishfinder with European Navionics Silver Chart	€ 1.895,00
c125/c127 MULTIFUNCTIONAL DISPLAY (NON TOUCH)		
E70013	c125 12" Multifunction Display No Chart	€ 2.445,00
E70013-CEUR	c125 12" Multifunction Display with European CMAP Essentials Chart	€ 2.495,00
T70032	c125 12" Multifunction Display with European Navionics Silver Chart	€ 2.495,00
E70014	c127 12" Multifunction Display with Built-in Fishfinder No Chart	€ 2.595,00
E70014-CEUR	c127 12" Multifunction Display with Built-in Fishfinder, European CMAP Essentials Chart	€ 2.645,00
T70033	c127 12" Multifunction Display with Built-in Fishfinder with European Navionics Silver Chart	€ 2.645,00
e165 HYBRIDTOUCH MULTIFUNCTIONAL DISPLAY (no internal GPS)		
E70025	e165 15.4" HybridTouch Multifunction Display No Chart	€ 4.945,00
E70025-CEUR	e165 15.4" HybridTouch Multifunction Display with European CMAP Essentials Chart	€ 4.995,00
E70025-EU	e165 15.4" HybridTouch Multifunction Display with European Navionics Silver Chart	€ 4.995,00
e165 BUNDLE		
E70025-DD2	e165 15.4" HybridTouch Dual Display Bundle, RS150 GPS & STNG Starter kit	€ 8.995,00
CARTOGRAPHY		
R70281	Navionics+ Update on µSD (Upgrade Silver to Navionics+ with freshest data, sonar charts & community layer)	€ 99,00
R70269	Navionics+ on µSD (Download Navionics+ level regional charts with sonar charts, freshest data and community layers)	€ 199,00
ACCESSORIES		
T70293	System Remote Control Keypad (RMK-10) Portrait & Landscape	€ 345,00
E62351	RCU-3 Remote Control Unit	€ 95,00
E70310	Raystar 150 10Hz GPS/Glonass antenna (STng)	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00
A80007	HS-5 Network Switch (Raynet)	€ 295,00
R70005	c9, e9 Replacement SunCover	€ 50,00
R70007	c12, e12 Replacement SunCover	€ 50,00
R70127	e165 Suncover	€ 65,00
R70355	c9x, e9x Aluminum Rugged Trunnion bracket	€ 50,00
R70356	c12x, e12x Aluminum Rugged Trunnion bracket	€ 55,00
A80176	e165 - Trunnion Kit	€ 165,00
R70029	a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power cable, NMEA0183 & Video-in 1.5m Right Angle	€ 130,00
R62379	a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power Cable, NMEA0183 & Video-in 1.5m Straight	€ 130,00
R70079	c9, e9 Display Flush Mount Kit	€ 15,00
R70080	c12, e12 Display Flush Mount Kit	€ 15,00
R70125	e165 Display Flush Mount Kit	€ 20,00
R70008	c9, e9 Mounting Adaptor Kit for C90W/E90W cutout	€ 150,00
R70009	c12, e12 Mounting Adaptor Kit for C120W/E120W cutout	€ 150,00
R70010	c9, e9 Mounting Adaptor Kit for C80/E80 cutout	€ 150,00
R70011	c12, e12 Mounting Adaptor Kit for C120/E120 cutout	€ 150,00
E112115	Voyage Planner PC Software	€ 69,00
DIGITAL CLEARPULSE TRANSDUCERS (a67/a77/a97/a127/c97/c127/e7D/e97/e127/eS97/eS127 Direct connect)		
A80150	P48 Depth/Temp Transom Mount Transducer (a/c/e/eS Direct connect)	€ 45,00
A102138	P58 D/S/T Transom Mount Transducer (a/c/e/eS Direct connect)	€ 95,00
E66073	P74 D/T In Hull/Trolling Transducer (a/c/e/eS Direct connect)	€ 115,00
A80170	P79 In Hull Depth Transducer (a/c/e/eS Direct connect)	€ 165,00
A80373	P79S In Hull Depth Smart Transducer (NMEA 2000 DeviceNet connection)	€ 330,00
T70278	P79S In Hull Depth Smart Transducer (NMEA 2000 with STNG adapter cable)	€ 350,00
A80171	P319 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 180,00
E66087	Bronze B60 D/T Through Hull Transducer 20° Angle (a/c/e/eS Direct connect)	€ 285,00
E66088	Bronze B60 D/T Through Hull Transducer 12° Angle (a/c/e/eS Direct connect)	€ 285,00
A66090	Bronze B744V D/S/T Transducer with Fairing Block (a/c/e/eS Direct connect)	€ 455,00
A80172	Bronze B258 Through Hull Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 710,00
A80173	Bronze B164 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 935,00
A80214	Stainless Steel SS60 600W Depth/Temp 0 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80215	Stainless Steel SS60 600W Depth/Temp 12 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80216	Stainless Steel SS60 600W Depth/Temp 20 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
E66074	3m Transducer Extension Cable	€ 80,00
E66066	Transducer Adaptor Cable for CP370 & DSM transducers to a, c, e & gS Series	€ 80,00
A62363	1m Minnkota Adaptor Cable	€ 60,00

Prices subject to change without prior notice.

PART NO.	DESCRIPTION	Price No TAX
DECK PODS		
A80103	Deck Pod - to 9" displays (white)	€ 429,50
A80104	Deck Pod - to 12" displays (white)	€ 529,99
A80105	Deck Pod - to 16" displays (white)	€ 749,00
HELM PODS		
A80112	Helm Pod - to 9" displays (white)	€ 394,00
A80113	Helm Pod - to 12" displays (white)	€ 459,99
A80114	Helm Pod - to 16" displays (white)	€ 659,00
eS-Series		
eS75 / eS78 HYBRIDTOUCH MULTIFUNCTION DISPLAYS		
E70263	eS75 7" HybridTouch Multifunction Display with Wi-Fi, No Chart	€ 1.145,00
E70263-CEUR	eS75 7" HybridTouch Multifunction Display with Wi-Fi and European CMAP Essentials Chart	€ 1.195,00
E70263-EU	eS75 7" HybridTouch Multifunction Display with Wi-Fi and European Navionics Silver Chart	€ 1.195,00
E70265	eS78 7" HybridTouch Multifunction Display with Built in DownVision Sonar and Wi-Fi, No Chart	€ 1.395,00
E70265-CEUR	eS78 7" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European CMAP Essentials Chart	€ 1.445,00
E70265-EU	eS78 7" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European Navionics Silver Chart	€ 1.445,00
eS97 / eS98 HYBRIDTOUCH MULTIFUNCTION DISPLAYS		
E70274	eS97 9" HybridTouch Multifunction Display with Built in Fishfinder and Wi-Fi, No Chart	€ 2.345,00
E70274-CEUR	eS97 9" HybridTouch Multifunction Display with Built in Fishfinder, Wi-Fi and European CMAP Essentials Chart	€ 2.395,00
E70274-EU	eS97 9" HybridTouch Multifunction Display with Built in Fishfinder, Wi-Fi and European Navionics Silver Chart	€ 2.395,00
E70275	eS98 9" HybridTouch Multifunction Display with Built in DownVision Sonar and Wi-Fi, No Chart	€ 2.445,00
E70275-CEUR	eS98 9" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European CMAP Essentials Chart	€ 2.495,00
E70275-EU	eS98 9" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European Navionics Silver Chart	€ 2.495,00
eS127 / eS128 HYBRIDTOUCH MULTIFUNCTION DISPLAYS		
E70284	eS127 12.1" HybridTouch Multifunction Display with Built in Fishfinder and Wi-Fi, No Chart	€ 3.445,00
E70284-CEUR	eS127 12.1" HybridTouch Multifunction Display with Built in Fishfinder, Wi-Fi and European CMAP Essentials Chart	€ 3.495,00
E70284-EU	eS127 12.1" HybridTouch Multifunction Display with Built in Fishfinder, Wi-Fi and European Navionics Silver Chart	€ 3.495,00
E70285	eS128 12.1" HybridTouch Multifunction Display with Built in DownVision Sonar and Wi-Fi, No Chart	€ 3.545,00
E70285-CEUR	eS128 12.1" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European CMAP Essentials Chart	€ 3.595,00
E70285-EU	eS128 12.1" HybridTouch Multifunction Display with Built in DownVision Sonar, Wi-Fi and European Navionics Silver Chart	€ 3.595,00
eS7 QUANTUM RADAR PACKS		
T70288	eS75 7" MFD with Wi-Fi, EU Navionics Silver Chart, Quantum Q24C 18" Radar with 10m Power & Data Cable	€ 2.695,00
T70290	eS78 7" MFD with DownVision Sonar, Wi-Fi, EU Navionics Silver Chart, Quantum Q24C 18" Radar with 10m Power & Data Cable	€ 2.895,00
eS-SERIES DOWNVISION AND SIDEVISION PACKS		
T70263	eS78 DownVision & SideVision Pack with eS78, Navionics chart, 2m Raynet cable, CPT-100 transducer, CP200 and CPT-200 transducer	€ 1.795,00
T70264	eS98 DownVision & SideVision Pack with eS98, Navionics chart, CPT-100 transducer, CP200 and CPT-200 transducer	€ 2.845,00
T70265	eS128 DownVision & SideVision Pack with eS128, Navionics chart, CPT-100 transducer, CP200 and CPT-200 transducer	€ 3.945,00
CARTOGRAPHY		
R70281	Navionics+ Update on µSD (Upgrade Silver to Navionics+ with freshest data, sonar charts & community layer)	€ 99,00
R70269	Navionics+ on µSD (Download Navionics+ level regional charts with sonar charts, freshest data and community layers)	€ 199,00
eS SERIES ACCESSORIES		
T70293	System Remote Control Keypad (RMK-10) Portrait & Landscape	€ 345,00
E62351	RCU-3 Remote Control Unit	€ 95,00
E70310	Raystar 150 10Hz GPS/Glonass antenna (STng)	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00
A80007	HS-5 Network Switch (Raynet)	€ 295,00
R70393	eS7/eS9/eS12 - Card Reader Gasket	€ 10,00
R70378	eS7 Rigid Suncover	€ 30,00
R70499	eS7 Silicone Suncover	€ 35,00
R70381	eS7 Trunnion Mount Kit	€ 35,00
R70379	eS7 Trim Kit	€ 20,00
R70380	eS7 Flush Mount Seal Kit	€ 10,00
A80341	eS7 Rear Mounting Bracket	€ 20,00
R70414	eS7 Video In / NMEA0183 Cable	€ 45,00
R70382	eS9 Rigid Suncover	€ 35,00
R70500	eS9 Silicone Suncover	€ 35,00
R70384	eS9 Trunnion Mount Kit	€ 40,00
R70383	eS9 Trim Kit	€ 20,00
R70385	eS9 Flush Mount Seal Kit	€ 10,00
A80342	eS9 Rear Mounting Bracket	€ 20,00
R70386	eS12 Rigid Suncover	€ 35,00
R70501	eS12 Silicone Suncover	€ 35,00
R70389	eS12 Trunnion Mount Kit	€ 40,00

PART NO.	DESCRIPTION	Price No TAX
R70387	eS12 Trim Kit	€ 20,00
R70388	eS12 Flush Mount Seal Kit	€ 10,00
A80343	eS12 Rear Mounting Bracket	€ 20,00
R70159	a6, a7, eS7 Power Cable 1.5m Straight	€ 45,00
A80221	a6, a7, eS7 Power Cable 1.5m Right Angle	€ 45,00
R62379	a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power Cable, NMEA0183 & Video-in 1.5m Straight	€ 130,00
R70029	a9, a12, c9, c12, e7, e9, e12, e165, eS9, eS12 & gS Power cable, NMEA0183 & Video-in 1.5m Right Angle	€ 130,00
CHIRP SONAR, DOWNVISION & SIDEVISION TRANSDUCERS		
E70342	CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer	€ 59,00
E70339	CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 149,00
A80448	CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 149,00
A80447	CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 149,00
A80446	CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 199,00
E70340	CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 199,00
E70341	CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 199,00
A80351	CPT-100DVS Transom Mount Chirp Transducer, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 100,00
A80277	CPT-110 Plastic Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 295,00
A80350	CPT-120 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 345,00
A80363	CPT-S Trolling Motor Mounting Kit	€ 30,00
R70496	CPT-S Transom Bracket with Hardware	€ 20,00
A80330	CPT-DV / CPT-DVS / CPT-100DVS Trolling Motor Mount	€ 30,00
A80273	Transducer Extension for CPT100, CPT110 & CPT120 (4m cable)	€ 30,00
DIGITAL CLEARPULSE TRANSDUCERS (a67/a77/a97/a127/c97/c127/e7D/e97/e127/eS97/eS127 Direct connect)		
A80150	P48 Depth/Temp Transom Mount Transducer (a/c/e/eS Direct connect)	€ 45,00
A102138	P58 D/S/T Transom Mount Transducer (a/c/e/eS Direct connect)	€ 95,00
E66073	P74 D/T In Hull/Trolling Transducer (a/c/e/eS Direct connect)	€ 115,00
A80170	P79 In Hull Depth Transducer (a/c/e/eS Direct connect)	€ 165,00
A80373	P79S In Hull Depth Smart Transducer (NMEA 2000 DeviceNet connection)	€ 330,00
T70278	P79S In Hull Depth Smart Transducer (NMEA 2000 with STNG adapter cable)	€ 350,00
A80171	P319 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 180,00
E66087	Bronze B60 D/T Through Hull Transducer 20° Angle (a/c/e/eS Direct connect)	€ 285,00
E66088	Bronze B60 D/T Through Hull Transducer 12° Angle (a/c/e/eS Direct connect)	€ 285,00
A66090	Bronze B744V D/S/T Transducer with Fairing Block (a/c/e/eS Direct connect)	€ 455,00
A80172	Bronze B258 Through Hull Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 710,00
A80173	Bronze B164 Low Profile Depth/Temp Transducer (a/c/e/eS Direct connect)	€ 935,00
A80214	Stainless Steel SS60 600W Depth/Temp 0 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80215	Stainless Steel SS60 600W Depth/Temp 12 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
A80216	Stainless Steel SS60 600W Depth/Temp 20 Degree Transducer (a/c/e/eS Direct connect)	€ 425,00
E66074	3m Transducer Extension Cable	€ 80,00
E66066	Transducer Adaptor Cable for CP370 & DSM transducers to a, c, e & gS Series	€ 80,00
A62363	1m Minnkota Adaptor Cable	€ 60,00

PART NO.	DESCRIPTION	Price No TAX
gS-Series		
gS GLASS BRIDGE MULTIFUNCTION DISPLAY (6 O'CLOCK VIEWING ANGLE)		
E70183	gS95 - 9" Glass Bridge Multifunction Display (6 o'clock Viewing Angle)	€ 3.795,00
E70184	gS125 - 12.1" Glass Bridge Multifunction Display (6 o'clock Viewing Angle)	€ 4.995,00
E70185	gS165 - 15.4" Glass Bridge Multifunction Display (6 o'clock Viewing Angle)	€ 5.995,00
E70213	gS195 - 19" Glass Bridge Multifunction Display (6 o'clock Viewing Angle)	€ 9.995,00
gS GLASS BRIDGE MULTIFUNCTION DISPLAY (12 O'CLOCK VIEWING ANGLE)		
E70124	gS95 - 9" Glass Bridge Multifunction Display (12 o'clock Viewing Angle)	€ 3.795,00
E70125	gS125 - 12.1" Glass Bridge Multifunction Display (12 o'clock Viewing Angle)	€ 4.995,00
E70126	gS165 - 15.4" Glass Bridge Multifunction Display (12 o'clock Viewing Angle)	€ 5.995,00
gS BUNDLES		
E70184-DD2	gS125 - 12.1" Glass Bridge Dual Display Bundle (6 o'clock Viewing Angle), RMK-10 Remote Keypad, RS150 GPS & STNG Starter kit	€ 8.995,00
E70125-DD2	gS125 - 12.1" Glass Bridge Dual Display Bundle (12 o'clock Viewing Angle), RMK-10 Remote Keypad, RS150 GPS & STNG Starter kit	€ 8.995,00
E70185-DD2	gS165 - 15.4" Glass Bridge Dual Display Bundle (6 o'clock Viewing Angle), RMK-10 Remote Keypad, RS150 GPS & STNG Starter kit	€ 10.995,00
E70126-DD2	gS165 - 15.4" Glass Bridge Dual Display Bundle (12 o'clock Viewing Angle), RMK-10 Remote Keypad, RS150 GPS & STNG Starter kit	€ 10.995,00
E70213-DD2	gS195 - 19" Glass Bridge Dual Display Bundle (6 o'clock Viewing Angle), RMK-10 Remote Keypad, RS150 GPS & STNG Starter kit	€ 18.495,00
CARTOGRAPHY		
R70281	Navionics+ Update on µSD (Upgrade Silver to Navionics+ with freshest data, sonar charts & community layer)	€ 99,00
R70269	Navionics+ on µSD (Download Navionics+ level regional charts with sonar charts, freshest data and community layers)	€ 199,00
gS SERIES ACCESSORIES		
T70293	System Remote Control Keypad (RMK-10) Portrait & Landscape	€ 345,00
A80218	System Micro SD Card Reader (RCR-2)	€ 150,00
E26033	External Alarm Buzzer	€ 30,00
A80219	5m Video Out Accessory Cable for gS Series	€ 50,00
A80235	2m gS Series Video In and Alarm Cable	€ 25,00
A80220	Mounting Kit for gS95 - 9" Glass Bridge Display	€ 250,00
A80263	Mounting Kit for gS125 - 12.1" Glass Bridge Display	€ 250,00
A80264	Mounting Kit for gS165 - 15.4" Glass Bridge Display	€ 250,00
R70291	Mounting Kit for gS195 - 19" Glass Bridge Display	€ 250,00
GPS ANTENNA		
E70310	Raystar 150 10Hz GPS/Glonass antenna (STng)	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00

Automatic Identification System - AIS		
AUTOMATIC IDENTIFICATION SYSTEM - AIS		
E32157	AIS350 Dual Channel Receiver	€ 399,00
E32158	AIS650 Class B Transceiver	€ 695,00
A80190	Active AIS Splitter 100	€ 195,00
E70050	AIS950 Class A Transceiver	€ 2.695,00
ACCESSORIES		
A80140	Panel Mounting Bracket - AIS950	€ 30,00
A80141	Trunnion Bracket - AIS950	€ 30,00
A80191	VHF Antenna Splitter power and FM cable	€ 60,00
A80192	VHF Antenna Splitter AIS cable	€ 50,00

Radar		
QUANTUM, PULSE COMPRESSED CHIRP RADAR		
E70210	Quantum Q24C 18" Radar with 10m Power Cable	€ 1.695,00
T70243	Quantum Q24C 18" Radar with 10m Power and 10m Data Cable	€ 1.745,00
T70266	Quantum Q24C 18" Radar with 15m Power and 15m Data Cable	€ 1.795,00
QUANTUM CABLES		
A80274	Quantum Data Cable 5m with Raynet connector	€ 70,00
A80275	Quantum Data Cable 10m with Raynet Connector	€ 100,00
A80310	Quantum Data Cable 15m with Raynet Connector	€ 170,00
A80311	Quantum Data Cable 25m with Raynet Connector	€ 270,00
A80309	Quantum Power Cable 10m with bare wires	€ 50,00
A80369	Quantum Power Cable 15m with bare wires	€ 75,00
A80308	Quantum Power-Data Adapter Cable	€ 30,00
HD COLOR RADOME RADAR SCANNERS		
E92142	4kW 18" (456mm) HD Color Radome no Cable	€ 1.800,00
T70168	4kW 18" (456mm) HD Color Radome + 10m Raynet Cable	€ 1.850,00
E92143	4kW 24" (608mm) HD Color Radome no Cable	€ 2.450,00
T70169	4kW 24" (608mm) HD Color Radome + 10m Raynet Cable	€ 2.500,00

PART NO.	DESCRIPTION	Price No TAX
HD COLOR OPEN ARRAY ANTENNA PACKS		
T70170	4kW 48" HD Color Open Array + 15m Raynet cable	€ 4.695,00
T70171	4kW 72" HD Color Open Array + 15m Raynet cable	€ 5.495,00
T70174	12kW 48" HD Color Open Array + 15m Raynet cable	€ 6.195,00
T70175	12kW 72" HD Color Open Array + 15m Raynet cable	€ 6.995,00
SUPER HD COLOR OPEN ARRAY ANTENNA PACKS		
T70172	4kW 48" SHD Color Open Array + 15m Raynet cable	€ 5.195,00
T70173	4kW 72" SHD Color Open Array + 15m Raynet cable	€ 5.995,00
T70176	12kW 48" SHD Color Open Array + 15m Raynet cable	€ 6.695,00
T70177	12kW 72" SHD Color Open Array + 15m Raynet cable	€ 7.495,00
HD / SUPER HD COLOR OPEN ARRAY COMPONENTS		
E52069E	4kW Pedestal – HD Color (includes VCM100)	€ 3.500,00
E52081E	4kW Pedestal – Super HD Color (includes VCM100)	€ 4.000,00
E92160E	12kW Pedestal - HD Color (includes VCM100)	€ 5.000,00
E52082E	12kW Pedestal – Super HD Color (includes VCM100)	€ 5.500,00
E52083	48" Open Array – HD Color	€ 1.000,00
E52084	72" Open Array – HD Color	€ 1.800,00
E52092	48" Open Array – Super HD Color	€ 1.000,00
E52093	72" Open Array – Super HD Color	€ 1.800,00
E52091	VCM100 – Voltage Converter Module (spare)	€ 345,00
RADAR SCANNER CABLES		
A80227	5m Digital Radar Cable with Raynet Connector	€ 120,00
A80228	10m Digital Radar Cable with Raynet Connector	€ 165,00
A80229	15m Digital Radar Cable with Raynet Connector	€ 225,00
A80230	25m Digital Radar Cable with Raynet Connector	€ 325,00
A55076D	5m Digital Radar Cable (RJ45 Connector)	€ 120,00
A55077D	10m Digital Radar Cable (RJ45 Connector)	€ 165,00
A55078D	15m Digital Radar Cable (RJ45 Connector)	€ 195,00
A55079D	25m Digital Radar Cable (RJ45 Connector)	€ 325,00
A92141D	2.5m Digital Radar Extension Cable	€ 65,00
A55080D	5m Digital Radar Extension Cable	€ 130,00
A55081D	10m Digital Radar Extension Cable	€ 180,00
A80160	RayNet (F) to SeaTalkHS (F) adaptor - 400mm	€ 55,00
RADOME MAST MOUNTS		
A80382	Mast Mount Bracket for Quantum Radome Scanner (SC20)	€ 299,00
M92722	Mast Mount Bracket for 18" (456mm) Radome Scanner	€ 344,00
M92698	Mast Mount Bracket for 24" (608mm) Radome Scanner	€ 469,00
X10006-SCA	Radar Guard for M92722 suitable for 18" radome (not compatible with Quantum)	€ 189,00
SELF LEVELLING RADOME MOUNTS		
X10000-SCA	Self levelling mast mount for 18" / 24" radome scanner	€ 879,99
X10001-SCA	Self levelling backstay mount (forward mount) for 18" / 24" radome scanner	€ 1.410,00
X10002-SCA	Self levelling backstay mount (aft mount) for 18" / 24" radome scanner	€ 1.410,00
RADOME POLE MOUNTS		
X10010-SCA	Pole mount system for 18" / 24" radome scanner (1.9m height)	€ 913,00
X10011-SCA	Pole mount system for 18" / 24" radome scanner (2.5m height)	€ 980,00
POWER TOWERS		
X10013-SCA	Power Tower (composite) for 18" / 24" radome scanner (150mm height)	€ 399,00
X10012-SCA	Power Tower (composite) for 18" / 24" radome scanner (350mm height)	€ 425,00
A80121	150mm (6") Stainless PowerTower®	€ 365,00
X10017-SCA	Nav Light Mount for use with Power Tower or Pole Mount	€ 129,99
X10018-SCA	Antenna Mount for GPS / VHF for use with Power Tower or Pole Mount (Starboard Side)	€ 129,99
X10019-SCA	Antenna Mount for GPS / VHF for use with Power Tower or Pole Mount (Port Side)	€ 129,99
ACCESSORIES		
A80007	HS-5 Network Switch (Raynet)	€ 295,00
A80162	RayNet (M) to RayNet (M) cable - 100mm	€ 55,00
E55060	SeaTalkHS Crossover Coupler	€ 20,00
R32142	Ethernet Coupler	€ 30,00
E70096	Evolution EV1 Sensor Core	€ 700,00

PART NO.	DESCRIPTION	Price No TAX
CP100 & CP200		
DOWNVISION & SIDEVISION SOUNDER MODULE		
E70204	CP100 DownVision Fishfinder	€ 545,00
E70256	CP200 SideVision Fishfinder	€ 545,00
CHIRP SONAR, DOWNVISION & SIDEVISION TRANSDUCERS		
E70342	CPT-S Plastic Conical HIGH CHIRP Transom Mount Transducer	€ 59,00
E70339	CPT-S Plastic Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 149,00
A80448	CPT-S Plastic Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 149,00
A80447	CPT-S Plastic Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 149,00
A80446	CPT-S Bronze Conical HIGH CHIRP Through Hull 0° Angled Element Transducer	€ 199,00
E70340	CPT-S Bronze Conical HIGH CHIRP Through Hull 12° Angled Element Transducer	€ 199,00
E70341	CPT-S Bronze Conical HIGH CHIRP Through Hull 20° Angled Element Transducer	€ 199,00
A80351	CPT-100DVS Transom Mount Chirp Transducer, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 100,00
A80277	CPT-110 Plastic Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 295,00
A80350	CPT-120 Bronze Through Hull Chirp Transducer with High Speed Fairing, Depth & Temp, Direct connect to CP100 & xx8 MFDs (10m cable)	€ 345,00
A80281	CPT-200 Transom Mount Chirp Transducer, SideVision & Temp, Direct connect to CP200 (10m cable)	€ 185,00
DOWNVISION & SIDEVISION BUNDLES		
E70205	CP100 DownVision Fishfinder and Transom Mount CPT-DVS Depth & Temp Chirp Transducer Pack	€ 625,00
E70257	CP200 SideVision Fishfinder and Transom Mount CPT-200 SideVision & Temp Chirp Transducer Pack	€ 695,00
T70229	CP100 & CP200 System Pack with Downvision & SideVision CPT-100 & CPT-200 Transom Mount Depth, Side & Temp Transducers	€ 1.195,00
ACCESSORIES		
A80363	CPT-S Trolling Motor Mounting Kit	€ 30,00
R70496	CPT-S Transom Bracket with Hardware	€ 20,00
A80330	CPT-DV / CPT-DVS / CPT-100DVS Trolling Motor Mount	€ 30,00
A80273	Transducer Extension for CPT100, CPT110 & CPT120 (4m cable)	€ 30,00
A80305	CPT200 Transducer Ext cable 4m	€ 35,00
CP370		
CP370 SOUNDER MODULE		
E70297	CP370 ClearPulse 1KW Sonar Module	€ 745,00
DEPTH – 600W TRANSDUCERS		
E66008	P79 Adjustable In-Hull Angle	€ 165,00
E66013	P319 Low Profile Through Hull	€ 185,00
E66014	Bronze B117 Low Profile Through Hull	€ 275,00
DEPTH/TEMPERATURE – 600W TRANSDUCERS		
E66085	Bronze B60 D/T Through Hull with 20° Tilted Element Transducer	€ 305,00
E66086	Bronze B60 D/T Through Hull with 12° Tilted Element Transducer	€ 305,00
E66077	P319 Depth/Temp Transducer	€ 165,00
DEPTH/SPEED/TEMPERATURE – 600W TRANSDUCERS		
E66054	P66 D/S/T Transom Mount Transducer	€ 195,00
A66091	Bronze B744V D/S/T Through Hull Retractable Transducer (includes E66023 Fairing Block)	€ 585,00
A66092	Bronze B744VL D/S/T Through Hull Retractable Transducer (includes E66023 Fairing Block)	€ 630,00
DEPTH – 1KW HIGH PERFORMANCE TRANSDUCERS		
A66089	M260 D Transducer with in hull-kit	€ 1.050,00
E66076	R199 D In-Hull DP/SP Transducer	€ 2.520,00
DEPTH/TEMPERATURE – 1KW HIGH PERFORMANCE TRANSDUCERS		
E66084	TM258 D/T Transom Mount Transducer with Transom Mount Bracket (DSM30/300 CP300/370 connect)	€ 800,00
E66082	Bronze B258 D/T Through Hull Transducer (includes Fairing Block) (DSM30/300 & CP300/370 connect)	€ 850,00
A102112	Bronze B164-12 D/T 12° 50/200 kHz Low Profile (DSM30/300 & CP300/370 connect)	€ 935,00
A102113	Bronze B164-20 D/T 20° 50/200 kHz Low Profile Transducer (DSM30/300 & CP300/370 connect)	€ 1.050,00
A102137	Bronze B164-0 D/T 0° 50/200 1kW Flush Transducer (DSM30/300 & CP300/370 connect)	€ 1.050,00
A80451	SS164 0° 1KW Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (CP370)	€ 1.200,00
A66098	SS164 12° 1KW Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (CP370)	€ 1.200,00
A66099	SS164 20° 1KW Through Hull 200/50 kHz Stainless Steel Depth/Temp Transducer (CP370)	€ 1.200,00
E66079	Bronze B260 D/T Broadband Through Hull Stem (includes Fairing Block) (DSM30/300 & CP300/370 connect)	€ 1.200,00
A102121	Stainless Steel SS270 D/T 50/200 kHz Widebeam Through Hull WDPL (DSM30/3000 & CP300/370 connect)	€ 1.200,00
SPEED/TEMPERATURE – TRANSDUCERS		
E66071	P120 S/T Retractable Through Hull Transducer	€ 265,00
E66072	Bronze B120 S/T Low Profile Through Hull Retractable Transducer	€ 315,00
ACCESSORIES		
E66010	5m Transducer Extension Cable with Removable Back-Shell	€ 100,00
E66022	Speed/Temperature Y-Cable Adaptor	€ 115,00
R69011	DSM Transducer Connector Kit	€ 20,00
E66066	Transducer Adaptor Cable for CP370 & DSM transducers to a, c, e & gS Series	€ 80,00
A80344	Adapter Cable to connect 600W a/c/e transducers to DSM30/300 & CP300/CP370	€ 80,00
E66023	B744V/B744VL Hi-Speed Fairing Block	€ 130,00

PART NO.	DESCRIPTION	Price No TAX
CP470 & CP570		
CP470/CP570 SOUNDER MODULE		
E70298	CP470 Clear Pulse 470 CHIRP	€ 1.495,00
E70258	CP570 Clear Pulse 570 CHIRP	€ 1.995,00
CP470/CP570 300W - 600W TRANSDUCERS		
A80014	B765LH D/T Through Hull Low (300W) - High (600W) Transducer	€ 795,00
A80015	B765LM D/T Through Hull Low (300W) - Medium (600W) Transducer	€ 795,00
A80016	B75L Bronze Low Profile D/T Through Hull Transducer 0° Angle (300W)	€ 795,00
A80017	B75M Bronze Low Profile D/T Through Hull Transducer 0° Angle (600W)	€ 795,00
A80018	B75H Bronze Low Profile D/T Through Hull Transducer 0° Angle (600W)	€ 795,00
A80033	B75L Bronze Low Profile D/T Through Hull Transducer 12° Angle (300W)	€ 795,00
A80034	B75M Bronze Low Profile D/T Through Hull Transducer 12° Angle (600W)	€ 795,00
A80035	B75H Bronze Low Profile D/T Through Hull Transducer 12° Angle (600W)	€ 795,00
A80036	B75M Bronze Low Profile D/T Through Hull Transducer 20° Angle (600W)	€ 795,00
A80037	B75H Bronze Low Profile D/T Through Hull Transducer 20° Angle (600W)	€ 795,00
CP470/CP570 300W - 600W TRANSDUCER PAIRS (all pairs include Y-cable)		
T70060	B75 Bronze Low Profile D/T Through Hull Low (300W) - High (600W) Transducer pair 0 deg	€ 995,00
T70061	B75 Bronze Low Profile D/T Through Hull Low (300W) - Medium (600W) Transducer pair 0 deg	€ 995,00
T70062	B75 Bronze Low Profile D/T Through Hull Medium (600W) - High (600W) Transducer pair 0 deg	€ 995,00
T70063	B75 Bronze Low Profile D/T Through Hull Low (300W) - High (600W) Transducer pair 12 deg	€ 995,00
T70064	B75 Bronze Low Profile D/T Through Hull Low (300W) - Medium (600W) Transducer pair 12 deg	€ 995,00
T70065	B75 Bronze Low Profile D/T Through Hull Medium (600W) - High (600W) Transducer pair 12 deg	€ 995,00
T70068	B75 Bronze Low Profile D/T Through Hull Medium (600W) - High (600W) Transducer pair 20 deg	€ 995,00
CP470/CP570 1KW TRANSDUCER PAIRS (all pairs include Y-cable)		
A80010	B265LH D/T Through Hull Low-High Transducer	€ 1.595,00
A80011	B265LM D/T Through Hull Low-Medium Transducer	€ 1.695,00
A80322	B275LH-W 1000W D/T Through Hull Low-High Wide Beam Bronze Transducer with Fairing Block	€ 2.095,00
A80012	M265LH D In Hull Low-High Transducer	€ 1.495,00
A80038	M265LM D In Hull Low-Medium Transducer	€ 1.595,00
A80013	TM265 LH D/T Transom Mount Low-High Transducer	€ 1.450,00
A80041	TM265 LM D/T Transom Mount Low-Medium Transducer	€ 1.595,00
A80318	TM275LH-W 1000W D/T Transom Mount Low-High Wide Beam Transducer	€ 1.845,00
A80325	PM275LH-W 1000W D/T Pocket/Keel Mount Low-High Wide Beam Transducer	€ 1.895,00
A80042	B175L Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle	€ 1.195,00
A80043	B175M Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle	€ 1.195,00
A80044	B175H Bronze Low Profile 1000W D/T Through Hull Transducer 0° Angle	€ 1.195,00
A80045	B175L Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle	€ 1.195,00
A80046	B175M Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle	€ 1.195,00
A80047	B175H Bronze Low Profile 1000W D/T Through Hull Transducer 12° Angle	€ 1.195,00
A80048	B175L Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle	€ 1.195,00
A80049	B175M Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle	€ 1.195,00
A80050	B175H Bronze Low Profile 1000W D/T Through Hull Transducer 20° Angle	€ 1.195,00
A80319	B175H-W 1000W D/T Through Hull Wide Beam Transducer 0° Angle	€ 1.395,00
A80320	B175H-W 1000W D/T Through Hull Wide Beam Transducer 12° Angle	€ 1.395,00
A80321	B175H-W 1000W D/T Through Hull Wide Beam Transducer 20° Angle	€ 1.395,00
A80504	SS175L Low CHIRP 1kW D/T Through Hull Transducer 20° Angle	€ 1.995,00
A80505	SS175M Medium CHIRP 1kW D/T Through Hull Transducer 20° Angle	€ 1.995,00
A80506	SS175H Wide Beam CHIRP 1kW D/T Through Hull Transducer 20° Angle	€ 1.995,00
CP470/CP570 1KW TRANSDUCER PAIRS		
T70069	B175 D/T Through Hull Low-High Transducer pair 0 deg	€ 1.995,00
T70070	B175 D/T Through Hull Low-Medium Transducer pair 0 deg	€ 1.995,00
T70071	B175 D/T Through Hull Medium-High Transducer pair 0 deg	€ 1.995,00
T70072	B175 D/T Through Hull Low-High Transducer pair 12 deg	€ 1.995,00
T70073	B175 D/T Through Hull Low-Medium Transducer pair 12 deg	€ 1.995,00
T70074	B175 D/T Through Hull Medium-High Transducer pair 12 deg	€ 1.995,00
T70075	B175 D/T Through Hull Low-High Transducer pair 20 deg	€ 1.995,00
T70076	B175 D/T Through Hull Low-Medium Transducer pair 20 deg	€ 1.995,00
T70077	B175 D/T Through Hull Medium-High Transducer pair 20 deg	€ 1.995,00
CP470/CP570 2KW TRANSDUCERS (Note: ALL -W transducers require extension cable)		
A80039	R109 D/T Through Hull Low-High 2KW molded Transducer	€ 2.995,00
A80040	R109 D/T Through Hull Low-Medium 2KW molded Transducer	€ 2.995,00
A80323	R109LH-W 2000W D/T Through Hull Low-High molded Wide Beam Transducer	€ 3.295,00
A80133	R111 D/T In Hull Low-High 2KW Molded Transducer	€ 3.495,00
A80134	R111 D/T In Hull Low-Medium 2KW Molded Transducer	€ 3.495,00

PART NO.	DESCRIPTION	Price No TAX
A80326	PM111LH-W 2000W D/T In Hull/Pocket/Keel Mount Low-High Wide Beam Transducer	€ 3.495,00
A80378	PM411LM-W UltraWide 2KW Pocket/Keel-Mount Low-Medium CHIRP Transducer	€ 4.595,00
A80377	R409LM-W UltraWide 2KW Through Hull Low-Medium CHIRP Transducer	€ 4.795,00
CP470/CP570 3KW TRANSDUCERS (Note: ALL -W transducers require extension cable)		
A80210	R509 D/T Through Hull Low-High Hi Performance 3KW Transducer	€ 4.295,00
A80211	R509 D/T Through Hull Low-Medium Hi Performance 3KW Transducer	€ 4.295,00
A80324	R509LH-W 3000W D/T Through Hull Wide Beam Transducer	€ 4.595,00
A80212	R599 D/T In Hull Low-High Hi Performance 3KW Transducer	€ 3.995,00
A80213	R599 D/T In Hull Low-Medium Hi Performance 3KW Transducer	€ 3.995,00
CP470/CP570 ACCESSORIES		
A102146	CP470/CP570 Y-Cable	€ 40,00
A102147	Convertor Cable DSM300 Transducer to CP470/CP570	€ 20,00
A102148	CP470/CP570 3m Transducer Extension Cable	€ 40,00
A102150	CP470/CP570 5m Transducer Extension Cable	€ 50,00
A80327	CP470/CP570 10m Transducer Extension Cable	€ 100,00
A80328	Single B75/B175 Operation Cable	€ 50,00
A80345	CP470-CP570 Speed-Temp Y-Cable	€ 50,00
A80346	CP370/CP470/CP570 Power Cable	€ 20,00

Autopilot		
EVOLUTION SYSTEM PACKS WITH DRIVES, NO CONTROL HEAD		
T70248	Evolution Wheel Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Wheel Drive. Note MFD or autopilot control head is required	€ 1.195,00
T70249	Evolution Tiller Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Tiller Drive. Note MFD or autopilot control head is required	€ 1.195,00
T70250	Evolution Hydraulic Pilot, ACU-100, EV1 Sensor Core, EV1 Cabling kit & 0.5l hydraulic pump. Note MFD or autopilot control head is required	€ 1.195,00
EVOLUTION SYSTEM PACKS WITH DRIVES		
T70154	Evolution Hydraulic Pilot with p70Rs control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & 0.5l hydraulic pump	€ 1.495,00
T70153	Evolution Tiller Pilot with p70s control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Tiller Drive	€ 1.495,00
T70152	Evolution Wheel Pilot with p70s control head, ACU-100, EV1 Sensor Core, EV1 Cabling kit & Wheel Drive	€ 1.495,00
T70330	Evolution Hydraulic Pilot with p70Rs control head, ACU-150 & 1L hydraulic pump	€ 1.995,00
T70157	Evolution Autopilot with p70Rs control head, ACU-200, EV1 Sensor Core, EV1 Cabling kit & Type 1 Hydraulic pump	€ 2.495,00
T70158	Evolution Autopilot with p70s control head, ACU-200, EV1 Sensor Core, EV1 Cabling kit & Type 1 Mechanical Linear drive	€ 2.995,00
EVOLUTION SYSTEM PACKS		
T70281	Evolution Autopilot with p70s control head & ACU-100, EV1 Sensor Core, EV1 Cabling kit (suitable for 0.5l Hydraulic, Wheel & Tiller drives)	€ 1.195,00
T70155	Evolution Autopilot with p70s control head & ACU-200, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 1 drives)	€ 1.995,00
T70156	Evolution Autopilot with p70Rs control head & ACU-200, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 1 drives)	€ 1.995,00
T70160	Evolution Solenoid Autopilot with p70Rs control head & ACU-300, EV1 Sensor Core, EV1 Cabling kit (suitable for Solenoid drives)	€ 2.695,00
T70164	Evolution DBW Autopilot with p70Rs control head, EV2 Sensor Core, EV2 Cabling kit (suitable for drive by wire steering systems)	€ 2.495,00
T70214	Evolution DBW Autopilot with p70Rs control head, EV2 Sensor Core, EV2 Cabling kit (direct Volvo IPS /Aquatic system connection)	€ 2.695,00
T70161	Evolution Autopilot with p70s control head & ACU-400, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 2 & 3 drives)	€ 2.795,00
T70162	Evolution Autopilot with p70Rs control head & ACU-400, EV1 Sensor Core, EV1 Cabling kit (suitable for Type 2 & 3 drives)	€ 2.795,00
AUTOPILOT CONTROL UNIT		
E70328	p70s Autopilot Control Head (Sail)	€ 595,00
E70329	p70Rs Autopilot Control Head (Power)	€ 645,00
EVOLUTION COMPONENTS		
E70096	Evolution EV1 Sensor Core	€ 700,00
E70097	Evolution EV2 Sensor Core	€ 1.995,00
E70098	ACU-100 Actuator Control Unit	€ 395,00
E70430	ACU-150 Actuator Control Unit	€ 595,00
E70099	ACU-200 Actuator Control Unit	€ 795,00
E70139	ACU-300 Actuator Control Unit	€ 1.695,00
E70100	ACU-400 Actuator Control Unit	€ 1.795,00
EVOLUTION ACCESSORIES		
R70160	Evolution Cabling Kit	€ 150,00
R70192	Evolution Cabling Kit EV-2	€ 75,00
R70161	Evolution EV-unit seal pack	€ 20,00
R70162	Evolution EV-unit wall bracket	€ 40,00
E15023	SmartController Wireless Autopilot Remote complete with Base Station	€ 565,00
E15024	S100 Wireless Autopilot Remote Complete with Base Station	€ 415,00
A18104	S100 Controller only	€ 265,00
A18105	Smart Controller only	€ 420,00
A18106	Base Station	€ 200,00
R70368	Black Bezel for i50/60/70/Pilots (a, c, e series style)	€ 15,00
R22168	Gunmetal Bezel for i50/60/70/Pilots (a, c, e series style)	€ 15,00
R22169	i50 / i60 / i70 / p70 Suncover (a, c, e, series style)	€ 15,00

PART NO.	DESCRIPTION	Price No TAX
R22174	p70R Suncover (a, c, e series style)	€ 15,00
A80355	Black Bezel for i50/60/70/Pilots (eS series style)	€ 15,00
A80356	Gunmetal Bezel for i50/60/70/Pilots (eS series style)	€ 15,00
A80357	Suncover i50/i60/i70/p70/i70s/p70s (eS series style)	€ 15,00
A80358	Suncover for p70R/p70Rs (eS series style)	€ 15,00
ENGINE CONTROL INTERFACE & ACCESSORIES		
E70227	ECI-100 Universal Engine and Control Interface	€ 295,00
E70240	Volvo Engine EVC Link Cable (1M)	€ 75,00
E70241	Volvo Engine Y-Loom cable	€ 75,00
E70242	Yamaha Command-Link Cable 1M	€ 75,00
E70305	Caterpillar Engine 12 Pin Link Cable (400mm)	€ 75,00
E70260	NMEA 2000 Devicenet male to Devicenet female cable (2m)	€ 75,00
STERN DRIVE UNIT		
E12026	Universal I/O Drive Unit	€ 995,00
M81138	Sterndrive Drive Unit	€ 945,00
ROTARY DRIVE UNITS		
M81135	Type 1/12v Rotary Drive	€ 1.500,00
M81136	Type 2/12v Rotary Drive	€ 1.600,00
M81137	Type 2/24v Rotary Drive	€ 1.650,00
HYDRAULIC PUMPS		
E12139	Type 0.5/12v Hydraulic Pump	€ 600,00
M81119	Type 1/24v Hydraulic Pump	€ 700,00
M81120	Type 1/12v Hydraulic Pump	€ 650,00
M81121	Type 2 /12v Hydraulic Pump	€ 850,00
M81122	Type 3/12v Hydraulic Pump	€ 950,00
M81123	Type 2/24v Hydraulic Pump	€ 900,00
M81124	Type 3/24v Hydraulic Pump	€ 1.000,00
HYDRAULIC LINEAR DRIVES		
E12207	Type 2/12v Hydraulic Linear Drive	€ 2.650,00
E12208	Type 2/24v Hydraulic Linear Drive	€ 2.700,00
M81202	Type 3/12v Hydraulic Linear Drive	€ 2.950,00
M81203	Type 3/24v Hydraulic Linear Drive	€ 3.000,00
MECHANICAL LINEAR DRIVE UNITS		
M81130	Type 1/12v Short Shaft Linear Drive	€ 1.700,00
M81131	Type 2/12v Short Shaft Linear Drive	€ 1.950,00
M81132	Type 2/12v Long Shaft Linear Drive	€ 1.950,00
M81133	Type 2/24v Short Shaft Linear Drive	€ 1.950,00
M81134	Type 2/24v Long Shaft Linear Drive	€ 1.950,00
HYDRAULIC CONTINUOUS RUNNING PUMP		
E12171	3 to 4.5L Constant Running Pump 12v	€ 2.500,00
E12172	3 to 4.5L Constant Running Pump 24v	€ 2.550,00
ACCESSORIES		
D165	Girdle Support Bracket Assembly	€ 90,00
D166	Adaptor Pin Bracket Assembly	€ 175,00
D228	Linear Feedback Fittings Pack	€ 70,00
D250	ST Steel Rudder Reference Ball Pin	€ 30,00
D309	Sterndrive Bracket Mercruiser V8	€ 550,00
M81166	D.P. Check Valve	€ 225,00
M81167	Solenoid 12v	€ 425,00
M81182	13 Tooth Sprocket	€ 95,00
M81183	15 Tooth Sprocket	€ 125,00
M81105	Rudder Angle Transducer	€ 250,00

PART NO.	DESCRIPTION	Price No TAX
Autopilot		
TILLER PILOTS		
A12004	ST1000+ Tiller	€ 495,00
A12005	ST2000+ Tiller	€ 595,00
COCKPIT ACCESSORIES - TILLER		
Q047	Tiller Drive Only	€ 700,00
D001	Tiller Pin (5 per Pack)	€ 20,00
D002	Mounting Socket (5 per Pack)	€ 30,00
D003	Pushrod Extension 25mm (1")	€ 20,00
D004	Pushrod Extension 51mm (2")	€ 20,00
D005	Pushrod Extension 76mm (3")	€ 20,00
D006	Pushrod Extension 102mm (4")	€ 25,00
D007	Pushrod Extension 127mm (5")	€ 25,00
D008	Pushrod Extension 153mm (6")	€ 25,00
D009	Tiller Bracket 25mm (1")	€ 45,00
D010	Tiller Bracket 51mm (2")	€ 45,00
D011	Tiller Bracket 76mm (3")	€ 45,00
D159	Tiller Bracket 102mm (4")	€ 50,00
D160	Tiller Bracket 127mm (5")	€ 50,00
D337	ST1/2000+ Tiller Pilot Plug	€ 35,00
D338	ST1/2000+ Tiller Pilot Socket	€ 45,00
D339	ST1/2000+ Tiller Pilot Plug and Socket	€ 65,00
D026	Pedestal Assembly 38mm (1.5")	€ 75,00
D027	Pedestal Assembly 51mm (2")	€ 75,00
D028	Pedestal Assembly 64mm (2.5")	€ 75,00
D029	Pedestal Assembly 76mm (3")	€ 75,00
D030	Pedestal Assembly 89mm (3.5")	€ 75,00
D031	Cantilever Socket Assembly	€ 75,00
G004	Tiller Arm End Cap	€ 15,00
COCKPIT ACCESSORIES - WHEEL		
E12093	Wheel Drive (inc. Fitting Kit)	€ 625,00
E15017	Wheel Drive Flat Pedestal Kit	€ 60,00
E15018	Wheel Drive GOIOT Installation Kit	€ 65,00
A18083	Replacement Belt for Grey Wheel Drive	€ 50,00
Instruments		
INSTRUMENTS		
E70063	i40 Speed Display	€ 215,00
E70064	i40 Depth Display	€ 215,00
E70065	i40 Wind Display	€ 215,00
E70066	i40 Bidata Display	€ 215,00
INSTRUMENT PACKS		
E70140	i40 Speed Pack, with P371 Speed/Temp Through Hull Transducer	€ 295,00
E70141	i40 Speed Pack, with ST69 Speed/Temp Transom Mount Transducer	€ 295,00
E70142	i40 Depth Pack, with P7 Depth Through Hull Transducer	€ 295,00
E70143	i40 Depth Pack, with P66 Depth Transom Mount Transducer	€ 325,00
E70144	i40 Wind Pack, with RotaVecta Transducer	€ 450,00
E70145	i40 Bidata Pack, with P371 Speed/Temp & P7 Depth Through Hull Transducers	€ 395,00
ACCESSORIES		
R70112	i40 Sun Cover	€ 15,00
INSTRUMENTS		
E70058	i50 Speed Display (Digital)	€ 445,00
E70059	i50 Depth Display (Digital)	€ 445,00
E70060	i50 Tridata Display (Digital)	€ 545,00
INSTRUMENT PACKS		
E70147	i50 Speed Pack, with P120 Retractable Speed/Temp Through Hull Transducer	€ 520,00
E70148	i50 Depth Pack, with P319 Depth Through Hull Transducer	€ 520,00
E70149	i50 Tridata Pack, with P120 & P319 Speed/Temp/Depth Through Hull Transducers	€ 745,00
E70153	i50 & i60 Wind, Speed, Depth - 3 x Instrument & 3 x Transducer Pack	€ 1.850,00
INSTRUMENTS		
E70061	i60 Wind Display (Analogue)	€ 495,00
E70062	i60 Close Hauled Wind Display (Analogue)	€ 495,00
E70327	i70s Multifunction Colour Display	€ 595,00
INSTRUMENT PACKS		
E70150	i60 Wind Pack, with Short Arm Vane Transducer	€ 945,00
E70153	i50 & i60 Wind, Speed, Depth - 3 x Instrument & 3 x Transducer Pack	€ 1.850,00
T70216	i70s System Pack (i70s Colour instrument & Wind, DST txducers, iTC-5, 3M backbone, 5 Way Connector, STng power cable & 2 backbone terminators)	€ 1.395,00

PART NO.	DESCRIPTION	Price No TAX
WIRELESS INSTRUMENT PACKS		
T70339	i60, Wireless Wind and backbone Kit (E70361, T120, T113-868, E70061, A06049, A06046, A06064, A06031, A06028)	€ 1.495,00
T70340	i70s, Wireless Wind, DST800 and backbone Kit (E70361, T120, A22111, T113-868, E70327, A06049, A06036, A06064, A06031, A06028)	€ 1.795,00
T70341	i70s, Wireless Wind, DST800, heading sensor and backbone Kit (E70361, T120, E70096, A22111, T113-868, E70327, A06049, A06036, A06064, A06031, A06028)	€ 2.295,00
T70342	i70s, Wireless Vertical Wind, DST800, heading sensor and backbone Kit (E70361, T222, E70096, A22111, T113-868, E70327, A06049, A06036, A06064, A06031, A06028)	€ 3.295,00
ITC-5 INSTRUMENT TRANSDUCER CONVERTER		
E70010	iTC-5 Instrument Transducer Converter	€ 265,00
E70361	Micro-Talk Puck - Micronet to SeataKNG Gateway	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00
T70344	Wireless Wind Kit including Heading Sensor for STNG (E70361, T120, E70096, T113-868, A06049, A06036, A06064, A06031, A06028)	€ 1.495,00
STNG SMART TRANSDUCERS		
A22112	DT800 12° Through Hull Depth / Temperature Smart Transducer	€ 300,00
A22165	DT800 0° Through Hull Depth / Temperature Smart Transducer	€ 300,00
A22111	DST800 0° Through Hull Depth / Speed / Temperature Smart Transducer	€ 325,00
A80373	P79S In Hull Depth Smart Transducer (NMEA 2000 DeviceNet connection)	€ 330,00
T70278	P79S In Hull Depth Smart Transducer (NMEA 2000 with STNG adapter cable)	€ 350,00
ACCESSORIES		
A80353	Black Bezel for i70s	€ 15,00
A80354	Gunmetal Bezel for i70s	€ 15,00
R70368	Black Bezel for i50/60/70/Pilots (a, c, e series style)	€ 15,00
R22168	Gunmetal Bezel for i50/60/70/Pilots (a, c, e series style)	€ 15,00
R22169	i50 / i60 / i70 / p70 Suncover (a, c, e, series style)	€ 15,00
A80355	Black Bezel for i50/60/70/Pilots (eS series style)	€ 15,00
A80356	Gunmetal Bezel for i50/60/70/Pilots (eS series style)	€ 15,00
A80357	Suncover i50/i60/i70/p70/i70s/p70s (eS series style)	€ 15,00
MAST PODS		
A80108	Mast Pod - 2 maxi instruments (white)	€ 539,00
A80109	Mast Pod (white) - 3 maxi instruments / 3 x a65 / 3 x a75	€ 559,00
A80106	Mast Pod - 3 x standard instruments (white)	€ 429,00
A80149	Mast Pod - 4 x standard instruments (white)	€ 489,00
ITC-5 INSTRUMENT TRANSDUCER CONVERTER		
E70010	iTC-5 Instrument Transducer Converter	€ 265,00
DEPTH – TRANSDUCERS		
E26009	P7 D Shorty™ Low Profile Through Hull Transducer	€ 90,00
M78713-PZ	P319 Low Profile Through Hull Plastic Depth Transducer 14m Cable	€ 105,00
E26030	P17 Depth Through Hull Retractable Transducer	€ 125,00
E26027-PZ	P66 Depth Transom Mount Transducer	€ 145,00
E26001-PZ	P79 Depth In Hull Transducer	€ 175,00
E26019-PZ	B45 Depth Through Hull Transducer Stem - includes Fairing Block	€ 245,00
M78717	B17 D Through Hull Retractable Transducer	€ 245,00
DEPTH/SPEED/TEMPERATURE – TRANSDUCERS		
E26006-PZ	i40/50 P65 Depth, Speed, Temperature Transom Mount Transducer	€ 175,00
A22154	DST800 Analog out 200kHz	€ 225,00
E26028-PZ	i40/50 P66 Depth, Speed, Temperature Transom Mount Transducer	€ 195,00
A26043	B744V Bronze Depth, Speed, Temperature Through Hull Transducer (No fairing block)	€ 395,00
A26044	B744VL Long Stem Bronze Depth, Speed, Temperature Through Hull Transducer (No fairing block)	€ 565,00
SPEED/TEMPERATURE – TRANSDUCERS		
E26005	ST69 Speed/Temperature Transom Mount Transducer	€ 105,00
E26008	P371 Speed/Temperature Shorty™ Through Hull Transducer	€ 105,00
E26031	ST800/P120 Speed/Temperature Low Profile Retractable Through Hull Transducer - 13.7m Cable	€ 105,00
E25025	P17 Speed/Temperature Low Profile Through Hull Retractable Transducer - 20m Cable	€ 175,00
M78716	B120 Speed/Temperature Low Profile Retractable Through Hull Transducer	€ 245,00
WIND – TRANSDUCERS		
T70338	Wireless Wind Kit for STNG (E70361, T120 & T113)	€ 995,00
Z195	RotaVecta Transducer supplied with 20m (65') Cable	€ 295,00
E22078	Short Arm Vane Transducer supplied with 30m (97.5') Cable	€ 475,00
E22079	Long Arm Vane Transducer supplied with 50m (162.5') Cable	€ 595,00
A28162	30m Mast Cable & Connector	€ 115,00
A28163	50m Mast Cable & Connector	€ 185,00
R28170	Short Arm Wind Vane Transducer	€ 350,00
R28171	Long Arm Wind Vane Transducer	€ 450,00
RUDDER REFERENCE - TRANSDUCERS		
M81105	Rudder Angle Transducer	€ 250,00

PART NO.	DESCRIPTION	Price No TAX
Wireless Instruments		
MICRONET WIRELESS DISPLAYS		
T110-868	Wireless Multi Digital Display	€ 465,00
T111-868	Wireless Multi Dual Digital Display	€ 545,00
T112-868	Wireless Multi Analogue Display	€ 545,00
T113-868	Wireless Multi Remote Display	€ 445,00
MICRONET WIRELESS CRUISING SYSTEMS		
T100-868	Wireless Speed & Depth System	€ 795,00
T101-868	Wireless Multi Wind System	€ 945,00
T163-868	Wireless Power Boat System with Transom Triducer	€ 795,00
T103-868	Wireless Speed & Depth System with Triducer	€ 795,00
T108-868	Wireless Wind, Speed & Depth System with Triducer	€ 1.650,00
T104-868	Wireless Wind, Speed, Depth & NMEA System	€ 1.950,00
T106-868	Remote Display Starter System	€ 595,00
MICRO COMPASS AND ACCESSORIES		
T061	Micro Compass System - Includes Micro Compass and Strap Bracket	€ 345,00
T060	Micro Compass	€ 295,00
T004	Deck Bracket	€ 55,00
T005	Strap Bracket	€ 55,00
T006	Long Slug Bracket	€ 55,00
T008	Cat Pole Bracket	€ 65,00
MICRONET WIRELESS RACING PRODUCTS		
T070-868	Micronet Race Master	€ 595,00
T074-868	Micronet Race Master System and Transducer	€ 995,00
T075-868	Micronet Race Master System, Triducer and Solar Panel	€ 1.095,00
T210	Wireless Multi Maxi display	€ 1.095,00
T215	Wireless Multi Dual Maxi Display	€ 945,00
T222	Wireless Vertical Wind Transmitter	€ 1.750,00
T221	Mast Rotation Transmitter	€ 545,00
PP30-868	Performance Pack 30 (wind, speed, depth & compass txducers, 2-up mast bracket, NMEA interface, dual, maxi, dual maxi, & remote control displays)	€ 3.995,00
PP40-868	Performance Pack 40 (wind, speed, depth & compass txducers, 3-up mast bracket, NMEA interface, dual, 3 x maxi, & remote control displays)	€ 4.495,00
PP50-868	Performance Pack 50 (vertical wind, speed, depth & compass txducers, 3 up mast bracket, NMEA interface, dual, 3 x maxi, & remote control displays)	€ 5.695,00
MICRONET COMPONENTS AND ACCESSORIES		
E70361	Micro-Talk Puck - Micronet to SeataalkNG Gateway	€ 260,00
A80370	Pole Mount for RS150 GPS Antenna / Micro-Talk Puck	€ 25,00
T70338	Wireless Wind Kit for STNG (E70361, T120 & T113)	€ 995,00
T137	Slug Mast Bracket 1 up (Digital, Dual, Analogue Range)	€ 95,00
T231	Mast Bracket 1 up (for Maxi, Dual Maxi or Race Master)	€ 125,00
T232	Mast Bracket Maxi 2 up (for Maxi, Dual Maxi or Race Master)	€ 195,00
T234	Mast Bracket Maxi 3 up (for Maxi, Dual Maxi or Race Master)	€ 245,00
E70096	Evolution EV1 Sensor Core	€ 700,00
T909	Compass Transducer	€ 195,00
T120	Wind Transmitter	€ 545,00
T121	Hull Transmitter	€ 325,00
T122	Wireless Interface	€ 325,00
T138	External Solar Panel (9V) - 108mm x 108mm	€ 105,00
T235	Carbon Black Bezel for T110, T111, T112	€ 35,00
A22111	DST800 0° Through Hull Depth / Speed / Temperature Smart Transducer	€ 325,00
T910	Triducer (Speed, Depth and Temperature in One, Retractable - 50m range)	€ 195,00
T911	Speed Transducer (Speed and Temperature, Retractable with Flap Valve)	€ 125,00
T912	Depth Transducer (Depth, Retractable - 80m Range)	€ 125,00
T942	Bronze Fitting for Long Body Transducer	€ 155,00
T943	Flush Fitting for Long Body Transducer	€ 30,00
T139	Alarm Booster	€ 30,00
T050	Large Deck Bracket	€ 60,00
T905	Depth transducer (50mm through/in hull)	€ 125,00
T908	GPS Antenna with NMEA 0183 output	€ 375,00
TA900	Paddle Wheel Replacement Kit for T911	€ 25,00
TA106	Instrument Cover for Digital, Dual Digital or Analogue Displays	€ 20,00

PART NO.	DESCRIPTION	Price No TAX
Thermal Cameras		
OCEAN SCOUT HANDHELD THERMAL CAMERAS		
432-0012-22-00S	Ocean Scout TK 160 x 120, 20° Field of View (Detect man at 100m)	€ 533,00
432-0008-22-00S	Ocean Scout 240 x 180, 24° Field of View (Detect man at 350m)	€ 1.779,00
432-0009-22-00S	Ocean Scout 320 x 256, 17° Field of View (Detect man at 550m) & Video Out	€ 2.224,00
432-0019-22-00S	Ocean Scout 640 x 512, 18° Field of View (Detect man at 1140m) & Video Out	€ 3.144,00
ACCESSORIES		
A80021	Floating Lanyard - Ocean Scout Series	€ 20,00
A80022	Soft Carrying Pouch - Ocean Scout Series	€ 30,00
A80023	Hard Storage Case - Ocean Scout Series	€ 155,00
A80028	USB Charging Cable - Ocean Scout Series	€ 20,00
A80029	Drawstring Pouch - Ocean Scout Series	€ 15,00
A80030	Lens Cap - Ocean Scout Series	€ 15,00
A80031	Eye Cup - Ocean Scout Series	€ 25,00
A80032	Wrist Strap - Ocean Scout Series	€ 6,00
T SERIES FIXED MOUNT THERMAL CAMERAS		
E70113	T220 Fixed Mount Thermal Camera (320 x 240, 9Hz, PAL)	€ 3.495,00
E70112	T223 Fixed Mount Thermal Camera (320 x 240, 25Hz, PAL)	€ 3.495,00
E70123	T270 Fixed Mount Thermal Camera (640 x 480, 9Hz, PAL)	€ 4.495,00
E70122	T273 Fixed Mount Thermal Camera (640 x 480, 25Hz, PAL)	€ 4.495,00
ACCESSORIES		
A80266	7.6m/25ft Coaxial Video Cable for T200	€ 90,00
A80267	7.6m/25ft Ethernet Cable for T200	€ 90,00
T SERIES PAN & TILT THERMAL CAMERAS		
T32147-PAL	T300 Thermal Camera (320 x 240, 9Hz PAL) with Joystick Control Kit	€ 8.995,00
T32148-PAL	T303 Thermal Camera (320 x 240, 25Hz PAL) with Joystick Control Kit	€ 8.995,00
T32149-PAL	T350 Thermal Camera (640 x 480, 9Hz PAL) with Joystick Control Kit	€ 14.695,00
T70099-PAL	T353 Thermal Camera (640 x 480, 25Hz PAL) with Joystick Control Kit	€ 14.695,00
T32150-PAL	T400 Thermal Camera (320 x 240, 9Hz PAL) & Low Light with Joystick Control Kit	€ 14.995,00
T32151-PAL	T403 Thermal Camera (320 x 240, 25Hz PAL) & Low Light with Joystick Control Kit	€ 14.995,00
T32152-PAL	T450 Thermal Camera (640 x 480, 9Hz PAL) & Low Light with Joystick Control Kit	€ 20.995,00
T70100-PAL	T453 Thermal Camera (640 x 480, 25Hz PAL) & Low Light with Joystick Control Kit	€ 20.995,00
T70101-PAL	T460 Thermal Camera (640 x 480, 9Hz, PAL, 12 degree FOV) & Low Light with Joystick Control Kit	€ 21.995,00
T70102-PAL	T463 Thermal Camera (640 x 480, 25Hz, PAL, 12 degree FOV) & Low Light with Joystick Control Kit	€ 21.995,00
T70118-PAL	T470SC Stabilised Thermal Camera (640 x 480, 9Hz PAL) & Color Low Light with Joystick Control Kit	€ 39.995,00
T70119-PAL	T473SC Stabilised Thermal Camera (640 x 480, 25Hz PAL) & Color Low Light with Joystick Control Kit	€ 39.995,00
ACCESSORIES		
E32130	Joystick Control Unit for Thermal Cameras	€ 995,00
E32131	Plate Mounting Thermal Camera	€ 165,00
500-0399-00	Top Down Installation Riser Kit (ABS Fiberglass)	€ 149,00
R32141	Power Over Ethernet Injector	€ 150,00
R32142	Ethernet Coupler	€ 30,00
CAMERA MOUNTS		
A80118	Mast Mount - T-series	€ 250,00
A80119	T-Series Camera Power Tower 150mm	€ 220,00
A80120	T-Series Camera Power Tower 300mm	€ 260,00
A80147	Tapered mast for rad/therm/light	€ 1.500,00
A80148	Tapered mast for rad/therm/satcom	€ 1.700,00
AX8 ENGINE ROOM CAMERA		
E70321	AX8 Thermal and Visible Imaging Camera for temperature measurement	€ 1.095,00
261-2319-00	AX8 RAM Mount Kit	€ 60,00

PART NO.	DESCRIPTION	Price No TAX
Day & Night Video Cameras		
CAM50 DOME CAMERA		
E03017	CAM50 CCTV Camera (PAL)	€ 225,00
E03019	CAM50 CCTV Reverse Image (PAL)	€ 225,00
E06017	5m Camera Extension Cable	€ 30,00
E06018	15m Camera Extension Cable	€ 45,00
CAM100 DAY & NIGHT VIDEO CAMERA		
E03006	CAM100 CCTV Day and Night Video Camera (PAL)	€ 695,00
E03020	CAM100 CCTV Day and Night Reverse Image Video Camera (PAL)	€ 695,00
E06017	5m Camera Extension Cable	€ 30,00
E06018	15m Camera Extension Cable	€ 45,00
R08200	CCTV CAM100 Suncover	€ 20,00
R08201	CAM100 Adjustable Mounting Bracket	€ 50,00
DAY AND NIGHT IP VIDEO CAMERA		
E70346	CAM210 Bullet CCTV Day and Night Video Camera (IP Connected)	€ 695,00
E70347	CAM220 Eyeball CCTV Day and Night Video Camera (IP Connected)	€ 495,00
R32142	Ethernet Coupler	€ 30,00
A62360	RayNet (F) to RJ45 (M) cable - 1m	€ 50,00
A80151	RayNet (F) to RJ45 (M) cable - 3m	€ 55,00
A80159	RayNet (F) to RJ45 (M) cable - 10m	€ 95,00
R32141	Power Over Ethernet Injector	€ 150,00
Satellite TV		
33STV, 37STV, 45STV AND 60STV SATELLITE TV ANTENNAS		
E42171	33STV - 33cm Satellite TV System for Europe	€ 3.795,00
E93018-2	37STV – 37cm Satellite TV System for Europe	€ 4.395,00
E93003-2	45STV – 45cm Satellite TV Antenna System for Europe	€ 4.995,00
E70151	45STV – 45cm Satellite TV Antenna System with Auto Skew for Europe	€ 5.495,00
E93008-2	60STV - 60cm Satellite TV Antenna System for Europe, Middle East, South America	€ 8.995,00
OTHER SATELLITE TV		
E42170	33STV - 33cm Satellite TV System for North America	€ 3.795,00
E93017-2	37STV - 37cm Satellite TV System for North America	€ 4.395,00
E93013-2	45STV - 45cm Satellite Antenna HD System Pack North America	€ 4.995,00
E93014-2	60STV - 60cm Satellite TV Antenna System North America HD Gen 2	€ 7.995,00
E42220	33STV - 33cm Satellite TV System for New Zealand	€ 3.750,00
E42192-2	37STV - 37cm Satellite TV System for Australia	€ 4.395,00
E42128-2	37STV - 37cm Satellite TV System for New Zealand	€ 4.395,00
E70333	37STV - 37cm Satellite TV System for China inc SAT9	€ 4.395,00
E93004-2	45STV – 45cm Satellite TV Antenna System for New Zealand	€ 4.995,00
E42193-2	45STV - 45cm Satellite TV Antenna System for Australia	€ 4.995,00
E42219-2	45STV - 45cm Satellite TV Antenna System for Latin America	€ 4.795,00
E70152	45STV – 45cm Satellite TV Antenna System with Auto Skew for Latin America	€ 5.495,00
E70334	45STV – 45cm Satellite TV Antenna System for China inc SAT9	€ 4.995,00
E93009-2	60STV - 60cm Satellite TV Antenna System for Latin America	€ 8.495,00
E93011-2	60STV - 60cm Satellite TV Antenna System for China and New Zealand	€ 7.995,00
E42194-2	60STV - 60cm Satellite TV Antenna System Gen 2 for Australia	€ 7.995,00
SATELLITE TV ACCESSORIES		
E42172	33STV Empty Dome and Baseplate	€ 525,00
E96016	37STV Empty Dome and Baseplate	€ 555,00
E96009-V	45STV Empty Dome and Baseplate	€ 615,00
E96013	60STV Empty Dome and Baseplate	€ 1.150,00
E96007	Power/Data Cable – ACU to the Antenna 30m	€ 235,00
E96008	RF Cable 30m	€ 395,00
SAT TV MOUNTS		
X10118-SCA	Antenna Dish Mount for 33STV	€ 192,00
X10021-SCA	Antenna Dish Mount for 37STV	€ 252,00
X10022-SCA	Antenna Dish Mount for 45STV	€ 309,00
X10023-SCA	Antenna Dish Mount for 60STV	€ 349,00
X10026-SCA	0°-12° Adjustable Base Wedge for use with antenna dish mount	€ 270,00
DUAL TOWERS		
X10016-SCA	Dual Power Tower for 4' open array scanner + 37STV / 45STV satcom	€ 839,00

PART NO.	DESCRIPTION	Price No TAX
VHF Radios		
VHF RADIOS		
E70243	Ray50 VHF Radio	€ 295,00
E70345	Ray52 VHF Radio with Integrated GPS Receiver	€ 325,00
E70245	Ray60 VHF Radio	€ 365,00
E70251	Ray70 VHF Radio with GPS and AIS receiver	€ 645,00
VHF RADIOS ACCESSORIES		
A80289	Ray 60 & 70 Raymic Handset (without cable)	€ 180,00
A80291	Ray 60 & 70 Raymic 5m Extension Cable	€ 75,00
A80292	Ray 60 & 70 Raymic 10m Extension Cable	€ 95,00
A80290	Ray 60 & 70 Raymic 15m Extension Cable	€ 125,00
A80296	Fistmic Adaptor Cable (12 pin to 8 pin) 400mm	€ 66,00
A80297	Handset Adaptor cable (12 pin to 12 pin) with passive speaker output (400mm)	€ 65,00
A80333	Black Bezel for Ray 60/70	€ 5,00
R70484	VHF Handset Hanger	€ 5,00
RAY260E VHF RADIO		
E70089	Ray260 Fixed Mount VHF with Passive Speaker (European Version)	€ 795,00
E70253	Ray260 Fixed Mount VHF with Active Speaker (European Version)	€ 845,00
E70090	Ray260 Fixed Mount VHF with AIS Receiver and Passive Speaker (European Version)	€ 995,00
A80197	RayMic for Ray260 with Passive speaker and 10m Cable (European Version)	€ 275,00
A80250	RayMic for Ray260 with Passive speaker and 20m Cable (European Version)	€ 295,00
R70252	RayMic for Ray260 (European Version)	€ 170,00
A80198	Passive Speaker for Ray260	€ 60,00
A80199	Active Speaker for Ray260	€ 130,00
A80200	5m Extension Cable for Ray260 RayMic	€ 40,00
A80201	10m Extension Cable for Ray260 RayMic	€ 60,00
A80202	15m Extension Cable for Ray260 RayMic	€ 90,00
R70167	20m Extension Cable for Ray260 RayMic	€ 120,00
A80205	Power and Accessory Cable for Ray260	€ 40,00
M95435	External Hailing Horn Speaker	€ 250,00
Digital Switching		
RAYMARINE DIGITAL SWITCHING CCMs		
E70317	CCM 011 (Connect 50) 12v Only, inputs upto (11 Dig, 11 Alog), outputs (50A max) upto (20 Dim,20 x 10A) & 1 com grd	€ 1.095,00
E70348	CCM 011 CAN (Connect 50) 12v Only, inputs upto (7 Dig, 7 Alog), outputs (50A max) upto (20 Dim,20 x 10A) & 1 com grd	€ 1.195,00
E70296	CCM 016, 12v Only, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A) & 2 com grd	€ 1.450,00
E70169	CCM 116, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A) & 2 com grd	€ 1.750,00
E70170	CCM 116, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A), 2 com grd & w.less swit	€ 1.850,00
E70171	CCM 216, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,8 x 10A,4 x 18A) & 2 com grd	€ 1.850,00
E70172	CCM 216, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,8 x 10A,4 x 18A), 2 com grd & w.less swit	€ 1.950,00
E70173	CCM 316, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A,4 x 18A) & 2 com grd	€ 1.950,00
E70174	CCM 316, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A,4 x 18A), 2 com grd & w.less swit	€ 2.050,00
E70175	CCM 416, inputs upto (16 Dig,16 Alog,2 current), outputs upto (16 Dim,12 x 10A,4 x 18A) & 2 com grd	€ 2.050,00
E70176	CCM 416, inputs upto (16 Dig,16 Alog,2 current), outputs upto (16 Dim,12 x 10A,4 x 18A), 2 com grd & w.less swit	€ 2.150,00
E70177	CCM 516, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A,4 x 18A,4 invert,4 wiper) & 2 com grd	€ 2.250,00
E70178	CCM 516, inputs upto (16 Dig,16 Alog), outputs upto (16 Dim,12 x 10A,4 x 18A,4 invert,4 wiper), 2 com grd & w.less swit	€ 2.350,00
E70223	CCM 616, inputs upto (16 Dig,16 Alog, 16 current), output upto (16 Dim,12 x 10A,4 x 18A, 16 invert, 4 wiper) & 2 com grd	€ 3.450,00
RAYMARINE DIGITAL SWITCHING MCUs		
E70179	MCU-100 Master Control Unit	€ 800,00
E70261	MCU-150 Master Control Unit with J1939	€ 1.200,00
E70180	MCU-200 Master Control Unit with GSM	€ 1.400,00
E70315	MCU-250 Master Control Unit with J1939 and GSM	€ 1.800,00
ACCESSORIES		
E70181	MCU Programming Interface	€ 275,00
E70182	USB to USB-mini master cable 2m	€ 20,00
A80241	CCM connector 14-16 AWG wire	€ 15,00
A80242	CCM connector 18-22 AWG wire	€ 15,00
A80243	Female crimp 14-16 AWG (pack 40)	€ 10,00
A80244	Female Crimp 18-22 AWG (pack 40)	€ 10,00
A80245	Hand Crimp Tool (Molex)	€ 395,00
A80246	Manual Extraction Tool	€ 50,00

PART NO.	DESCRIPTION	Price No TAX
STNG Cables and Components		
STNG CABLES AND COMPONENTS		
E70010	iTC-5 Instrument Transducer Converter	€ 265,00
E70361	Micro-Talk Puck - Micronet to SeataKNG Gateway	€ 260,00
T70134	STNG Starter Kit (1xA06064, 2xA06031, 1xA06040, 1xA06049)	€ 95,00
A25062	STNG Backbone Kit (2 x A06031, 1 x A06037, 2 x A06036, 4 x A06028, 1 x A06049)	€ 245,00
E22158	ST1 to STNG Adaptor Kit (1xR52131, 2xA06031, 2xA06032, 1xA22164, 1xA06049, 1xA06039)	€ 115,00
E70196	VHF NMEA0183 TO STNG Converter Kit (1xR52131, 2xA06031, 2xA06032, 1xA06071, 1xA06049, 1xA06039)	€ 115,00
R52131	ST1 to STNG Converter only	€ 95,00
A06049	STNG Power Cable	€ 20,00
A06028	STNG T-Piece Connector	€ 20,00
A06064	5 Way Connector	€ 30,00
A06030	Extender	€ 15,00
A06031	STNG Backbone Terminator	€ 10,00
A06033	Backbone Cable 400mm	€ 25,00
A06034	Backbone Cable 1m	€ 30,00
A06035	Backbone Cable 3m	€ 35,00
A06036	Backbone Cable 5m	€ 45,00
A06068	STNG Backbone Cable 9m	€ 60,00
A06037	Backbone Cable 20m	€ 75,00
A06038	Spur Cable 400mm	€ 25,00
A06039	Spur Cable 1m	€ 30,00
A06040	Spur Cable 3m	€ 35,00
A06041	Spur Cable 5m	€ 45,00
A06072	White Spur Cable 6m (RS130 antenna cable)	€ 55,00
A06042	Elbow spur Cable 400mm	€ 25,00
A06074	In-Line STNG Terminator	€ 15,00
A06045	DeviceNet (Female) Adaptor Cable (0.4m)	€ 30,00
A06046	DeviceNet (Male) Adaptor Cable (1.5m)	€ 30,00
A06047	ST1 Adaptor Cable (3 Pin)	€ 15,00
A06048	ST2 Adaptor Cable (5 Pin)	€ 15,00
A06032	Blanking Plug	€ 5,00
A06043	Spur to Stripped End Cable 1m	€ 30,00
A06044	Spur to Stripped End Cable 3m	€ 35,00
A06073	STNG-ST1 Spur Cable 1m	€ 15,00
A06075	STNG to Devicenet (Female) Adaptor Cable (1m)	€ 30,00
A06076	STNG to Devicenet (Male) Adaptor Cable (1m)	€ 30,00
R12112	1m STNG to SPX Moulded Cable	€ 50,00
ACCESSORIES		
A80123	Deck Seal - connectors up to Ø16mm (cables from 2 - 8mm)	€ 25,00
A80124	Deck Seal - connectors up to Ø21mm (cables from 4 - 9mm)	€ 25,00
A80125	Deck Seal - connectors up to Ø21mm (cables from 9 - 14mm)	€ 25,00
A80126	Deck Seal - connectors up to Ø30mm (cables from 9 - 14mm)	€ 25,00
A80127	Deck Seal - multiple cables up to Ø18mm	€ 55,00
A80130	Junction Box - 10 fast fit terminals	€ 30,00

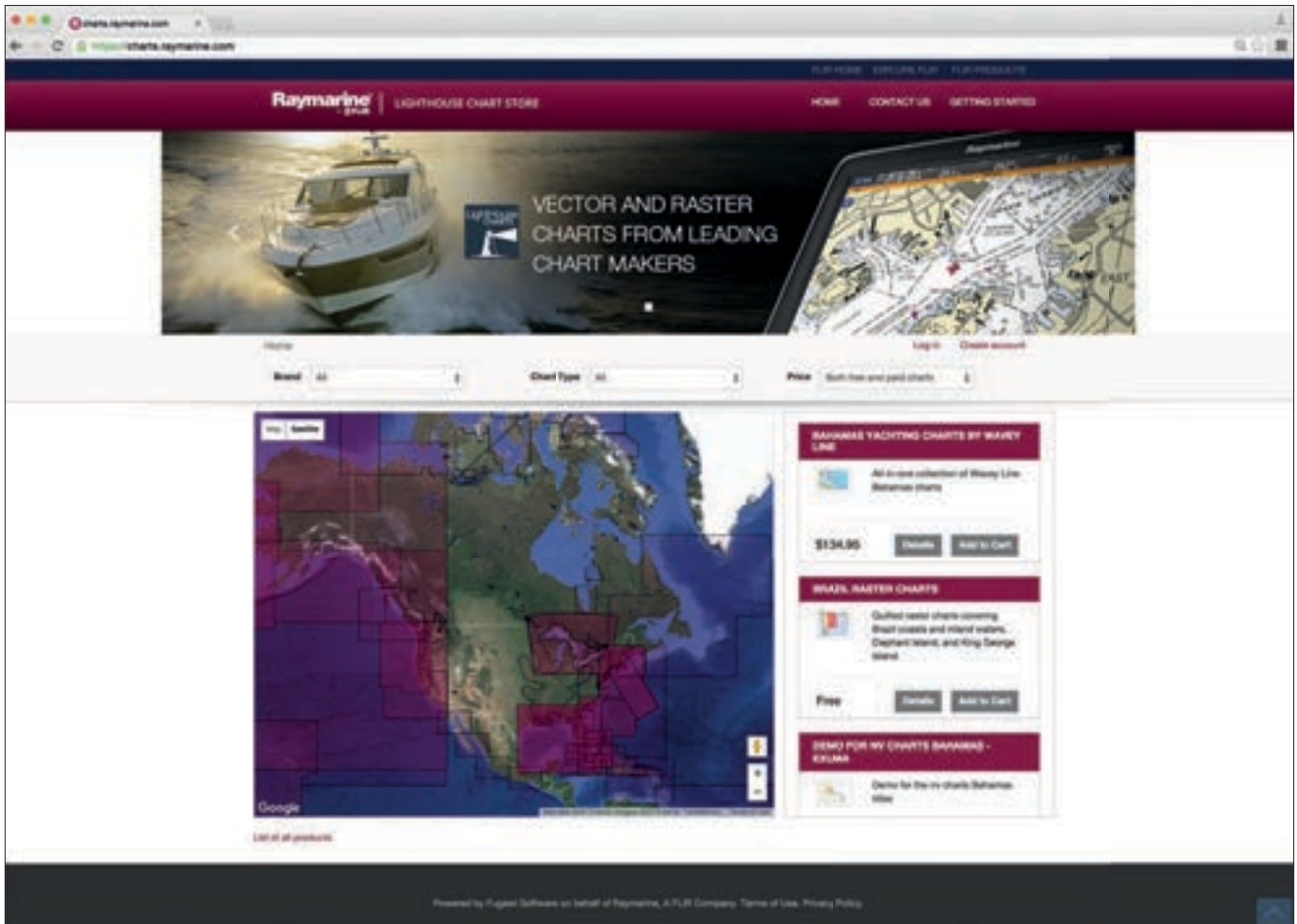
Network Cables and Components		
NETWORK CABLES AND COMPONENTS		
A80007	HS-5 Network Switch (Raynet)	€ 295,00
E55060	SeaTalkHS Crossover Coupler	€ 20,00
R32142	Ethernet Coupler	€ 30,00
A80247	RayNet to RJ45 (F) Adaptor - 100mm	€ 50,00
A62360	RayNet (F) to RJ45 (M) cable - 1m	€ 50,00
A80151	RayNet (F) to RJ45 (M) cable - 3m	€ 55,00
A80159	RayNet (F) to RJ45 (M) cable - 10m	€ 95,00
A80161	Raynet (F) to Raynet (F) cable - 400mm	€ 55,00
A62361	Raynet (F) to Raynet (F) cable - 2m	€ 75,00
A80005	Raynet (F) to Raynet (F) cable - 5m	€ 95,00
A62362	Raynet (F) to Raynet (F) cable - 10m	€ 135,00
A80006	Raynet (F) to Raynet (F) cable - 20m	€ 195,00
A80162	RayNet (M) to RayNet (M) cable - 100mm	€ 55,00
A80262	RayNet (Male) Right Angle Adaptor	€ 25,00
A80160	RayNet (F) to SeaTalkHS (F) adaptor - 400mm	€ 55,00

PART NO.	DESCRIPTION	Price No TAX
A80276	RayNet (F) to STHS (M) Cable - 3m	€ 75,00
A80272	RayNet Male to STHS Male water tight for DSM or legacy MFD connection to open RayNet Female cable	€ 55,00
E55049	SeaTalkHS Network Cable 1.5m	€ 55,00
E55050	SeaTalkHS Network Cable 5m	€ 110,00
E55051	SeaTalkHS Network Cable 10m	€ 155,00
A62135	SeaTalkHS Network Cable 15m	€ 150,00
E55052	SeaTalkHS Network Cable 20m	€ 240,00
A62245	SeaTalkHS Dual End Weatherproof Network Cable 1.5m	€ 55,00
A62246	SeaTalkHS Dual End Weatherproof Network Cable 15m	€ 165,00
E06054	SeaTalkHS Patch Cable 1.5m	€ 45,00
E06055	SeaTalkHS Patch Cable 5m	€ 95,00
E06056	SeaTalkHS Patch Cable 10m	€ 130,00
A62136	SeaTalkHS Patch Cable 15m	€ 155,00
E06057	SeaTalkHS Patch Cable 20m	€ 195,00
ST1 CABLES AND COMPONENTS		
D244	3 Way SeaTalk Junction Block	€ 35,00
D230	SeaTalk Extension Cable 400mm	€ 25,00
D284	SeaTalk Extension Cable 1m	€ 30,00
D285	SeaTalk Extension Cable 3m	€ 35,00
D286	SeaTalk Extension Cable 5m	€ 40,00
D287	SeaTalk Extension Cable 9m	€ 45,00
E25051	SeaTalk Extension Cable 12m	€ 60,00
D288	SeaTalk Extension Cable 20m	€ 75,00
E55054	SeaTalk Alarm Out Cable 1.5m	€ 50,00
ENGINE CONTROL INTERFACE & ACCESSORIES		
E70227	ECI-100 Universal Engine and Control Interface	€ 295,00
E70240	Volvo Engine EVC Link Cable (1M)	€ 75,00
E70241	Volvo Engine Y-Loom cable	€ 75,00
E70242	Yamaha Command-Link Cable 1M	€ 75,00
E70305	Caterpillar Engine 12 Pin Link Cable (400mm)	€ 75,00
E70260	NMEA 2000 Devicenet male to Devicenet female cable (2m)	€ 75,00
ENTERTAINMENT		
MARINE SOURCE UNITS & ACCESSORIES (PUNCH)		
E70394	Punch Display Head (RMX-8DH) with 5" Color Display	€ 295,00
E70395	Punch Networked Black Box Media Receiver (RMX-8BB) with 4 Zones & 3 Sources	€ 395,00
T70316	Punch Networked Black Box Media Receiver (RMX-8BB) and PMX STNG CAN Transceiver	€ 495,00
E70396	Punch Network Media Receiver (RMX-5) with 2 Zones & 1 Source, 2.7" Color Display	€ 395,00
T70317	Punch Network Media Receiver (RMX-5) 2.7" Color Display and PMX STNG CAN Transceiver	€ 495,00
E70397	Punch Network Media Receiver (RMX-2) with 2 Zones & 1 Source, 2.7" Color Display	€ 295,00
A80383	Punch Wired Remote (RMX-1R) with a 2.7" Color Display	€ 195,00
E70398	Punch Media Receiver (RMX-0) with 2 Zones & 1 Source, no Display	€ 145,00
A80384	Punch Wired Remote (RMX-0R)	€ 95,00
A80385	Punch Universal USB and Aux input jack	€ 45,00
A80386	Punch 10ft Ext Cable for Wired Remotes	€ 25,00
A80387	Punch 16ft Ext Cable for Wired Remotes	€ 35,00
A80388	Punch 25ft Ext Cable for Wired Remotes	€ 45,00
A80389	Punch 50ft Ext Cable for Wired Remotes	€ 75,00
A80390	Punch Y Cable Adapter for Wired Remotes	€ 25,00
A80391	Punch STNG CAN Transceiver	€ 195,00
MARINE AMPLIFIERS (PRIME)		
E70375	RF Marine 400 Watt 4 Channel Amp	€ 295,00
E70376	RF Marine 600 Watt 4 Channel Amp	€ 445,00
E70377	RF Marine 600 Watt 5 Channel Amp	€ 495,00
E70378	RF Marine 750 Watt 1 Channel Amp	€ 395,00
E70379	RF Marine 1200 Watt 1 Channel Amp	€ 495,00
MARINE AMPLIFIERS (PUNCH)		
E70380	Punch Marine 300 Watt 2 Channel Amplifier	€ 295,00
E70381	Punch Marine 400 Watt 2 Channel Amplifier	€ 395,00
E70382	Punch Marine 500 Watt 2 Channel Amplifier	€ 445,00
E70383	Punch Marine 400 Watt 4 Channel Amplifier	€ 395,00
E70384	Punch Marine 600 Watt 4 Channel Amplifier	€ 495,00
E70385	Punch Marine 1000 Watt 5 Channel Amplifier	€ 745,00

PART NO.	DESCRIPTION	Price No TAX
E70386	Punch Marine 300 Watt Mono Amplifier	€ 295,00
E70387	Punch Marine 500 Watt Mono Class BD Amplifier	€ 445,00
E70388	Punch Marine 1000 Watt Mono Class BD Amplifier	€ 645,00
MARINE AMPLIFIERS (POWER)		
E70389	Power Marine 400 Watt 2 Channel Class AD Amplifier	€ 545,00
E70390	Power Marine 400 Watt 4 Channel Class AD Amplifier	€ 545,00
E70391	Power Marine 1000 Watt 5 Channel Class AD Amplifier	€ 995,00
E70392	Power Marine 500 Watt Mono Boosted Rail Amplifier	€ 595,00
E70393	Power Marine 750 Watt Mono Class BD Amplifier	€ 845,00
MARINE WOOFERS (PRIME)		
A80392	Prime M1 8" DVC Speakers (2ohm) White	€ 125,00
A80393	Prime M1 8" DVC Speakers (2ohm) Black	€ 125,00
A80394	Prime M1 8" DVC Speakers (4ohm) White	€ 125,00
A80395	Prime M1 8" DVC Speakers (4ohm) Black	€ 125,00
A80396	Prime M1 10" DVC Speakers (2ohm) White	€ 135,00
A80397	Prime M1 10" DVC Speakers (2ohm) Black	€ 135,00
A80398	Prime M1 10" DVC Speakers (4ohm) White	€ 135,00
A80399	Prime M1 10" DVC Speakers (4ohm) Black	€ 135,00
A80400	Prime M1 12" DVC Speakers (2ohm) White	€ 145,00
A80401	Prime M1 12" DVC Speakers (2ohm) Black	€ 145,00
A80402	Prime M1 12" DVC Speakers (4ohm) White	€ 145,00
A80403	Prime M1 12" DVC Speakers (4ohm) Black	€ 145,00
MARINE WOOFERS (PUNCH)		
A80404	Punch M2 10" SVC Speakers (4ohm) White	€ 245,00
A80405	Punch M2 10" SVC Speakers (4ohm) White/Luxury Grill	€ 245,00
A80406	Punch M2 10" SVC Speakers (4ohm) Black	€ 245,00
A80407	Punch M2 12" SVC Speakers (4ohm) White	€ 345,00
A80408	Punch M2 12" SVC Speakers (4ohm) White/Luxury Grill	€ 345,00
A80409	Punch M2 12" SVC Speakers (4ohm) Black	€ 345,00
MARINE SPEAKERS (PRIME)		
A80410	Prime M0 6.5" Coax/Component Speakers White	€ 95,00
A80411	Prime M0 6.5" Coax/Component Speakers Black	€ 95,00
A80412	Prime M1 6.5" Coax/Component Speakers White	€ 145,00
A80413	Prime M1 6.5" Coax/Component Speakers Black	€ 145,00
MARINE SPEAKERS (PUNCH)		
A80414	Prime M2 6" Coax/Component Speakers White	€ 245,00
A80415	Punch M2 6" Coax/Component Speakers White/Luxury Grill	€ 245,00
A80416	Punch M2 6" Coax/Component Speakers Black	€ 245,00
A80417	Punch M2 6.5" Coax/Component Speakers White	€ 295,00
A80418	Punch M2 6.5" Coax/Component Speakers White/Luxury Grill	€ 295,00
A80419	Punch M2 6.5" Coax/Component Speakers Black	€ 295,00
A80420	Punch M2 8" Coax/Component Speakers White	€ 345,00
A80421	Punch M2 8" Coax/Component Speakers White/Luxury Grill	€ 345,00
A80422	Punch M2 8" Coax/Component Speakers Black	€ 345,00
A80423	Punch M2 1" Tweeter Add On Kit	€ 195,00
MARINE WAKE CAN SPEAKERS (PUNCH)		
A80424	Punch M2 6.5" Mini Tower Speakers Black	€ 595,00
A80425	Punch M2 6.5" Tower Speakers White	€ 595,00
A80426	Punch M2 6.5" Tower Speakers Black	€ 595,00
A80427	Punch M2 8" Tower Speakers White	€ 695,00
A80428	Punch M2 8" Tower Speakers Black	€ 695,00
A80429	Punch M2 8" Horn loaded Tower Speakers White	€ 995,00
A80430	Punch M2 8" Horn loaded Tower Speakers Black	€ 995,00
A80431	Punch M2 Wake Clamp 1.5"-2.875" White	€ 75,00
A80432	Punch M2 Wake Clamp 1.5"-2.875" Black	€ 75,00
A80433	Punch M2 Mini Wake Clamp 1"-2" Black	€ 75,00
A80434	Punch M2 6.5" Mini Wake Can Cover	€ 75,00
A80435	Punch M2 6.5" Wake Can Cover	€ 75,00
A80436	Punch M2 8" Wake Can Cover	€ 75,00

CHART STORE

VECTOR AND RASTER CHARTS FROM LEADING CHART MAKERS



Charts.raymarine.com allows you to select and download LightHouse Edition charts for use in your LightHouse II compatible chartplotter.

BUY CHARTS (SKIP THIS STEP IF YOU ONLY NEED TO UPDATE CHARTS WITH VALID SUBSCRIPTIONS)

- Go to <https://charts.raymarine.com/>
- Browse for charts, add to your cart, create an account and purchase using your credit card.

INITIALISE A MICRO SD CARD

- Plug in a blank microSD into any (powered up) LightHouse II (v11 or later or for Dragonfly, v9 or later) compatible Raymarine chartplotter and remove it.

DOWNLOAD YOUR CHARTS USING LIGHTHOUSE MANAGER (OR DOWNLOAD UPDATES OF EXISTING CHARTS)

- Download and install the LightHouse Manager software
- Launch it and follow the prompts to download your chart to your initialised microSD card.

USE YOUR CHARTS!

- Insert the card with the downloaded charts into your compatible Raymarine chartplotter.
- In the chart screen, select Menu > Presentation > Chart Selection. This will show the list of available charts.
- Select your downloaded chart to open it.



SAFETY NOTICES

Raymarine products are intended to be used as aids to navigation and must never be used in preference to sound navigational judgement. Their accuracy can be affected by many factors, including environmental conditions, equipment failure or defects, and incorrect installation, handling or use.

Only official government charts and notices to mariners contain all the current information needed for safe navigation, and the captain is responsible for their prudent use. It is the user's responsibility to use official government charts, notices to mariners, caution and proper navigational skill when operating any Raymarine product.

CONTENT NOTE

The technical and graphical information contained in this brochure, to the best of our knowledge, was correct as it went to press. However, the Raymarine policy of continuous improvement and updating may change product specifications without prior notice. Therefore, unavoidable differences between the product and this brochure may occur from time to time, for which liability cannot be accepted by Raymarine.

Some images in this brochure have been used for illustration purposes only.

PHOTOGRAPHY

The lifestyle photography used in this brochure is supplied courtesy of: AFP; Australian Master Marine; Azimut Benetti Group; Bar Crusher; Beneteau; BigAngryFish.tv; Billy Black; Boston Whaler; Carter Andrews; Cranchi S.p.A. (Jurij Korenc); Garrick Dixon; Adrian Grey; iStockphoto; Jeanneau; Jetten Yachts; Joe McCarthy; Meridian Yachts; Peter Miller; Orkney; Oyster (Joe McCarthy); Prestige Motor Yachts; Princess Yachts International; Ribeye; Riviera; Saffier; Jim Sammons; SeaRay; Graham Snook; Sunseeker International Limited; Tuttobarche.it and Nuova Jolly Marine; Windy Boats AS; X-Yachts

Connect with Raymarine online
www.raymarine.eu

FLIR Maritime Belgium Bvba

Luxemburgstraat 2,
2321 Meer,
Belgium
T: (+32) (0) 3665 5162

Raymarine UK Limited

Marine House
Cartwright Drive, Fareham, PO15 5RJ,
United Kingdom
T: (+44) (0)1329 246 700

FLIR Maritime US Inc.

9 Townsend West
Nashua NH 03063
United States of America
T: (+1) 603-324-7900

FLIR Maritime Asia Pty Ltd

Suite 1.01, 26 Rodborough Road
Frenchs Forest, NSW, 2086,
Australia
T: (+61) (0) 2 8977 0300

Raymarine Benelux

Florijnweg 21G,
6883 JN VELD
Nederland
T: (+31) 26 361 4242

Raymarine Denmark

Centervej 7
4600 Køge
Denmark
T: (+45) 4371 6464

Raymarine Finland Oy

Suomalaistentie 1-3
02270 Espoo
Finland
T: (+358) 207619937

Raymarine Italia Srl

Via L. Manara 2
20812 Limbiate (MB)
Italy
T: (+39) 02 99451001

Raymarine Germany GmbH

Borsteler Chaussee 53,
22453 Hamburg,
Germany
T: (+49) 40 237 8080

Raymarine France

Parc d'Activités des Peupliers
37 Rue des Peupliers, CS 50007
92752 Nanterre Cedex - France
T : (+33) 146497230

Raymarine Norway

Stasjonsveien 19
1580, Rygge,
Norge
T: (+47) 69 26 46 00

Raymarine Sweden AB

Bolshedens Industriväg 18,
427 50 Billdal,
Sweden
T: (+46) 317 633670

Raymarine®