



## DRAGONFLY<sup>®</sup>

### A NEW SPECIES OF SONAR

View the world beneath your boat with the photo-like clarity of Dragonfly's DownVision™ sonar, the first high-resolution imaging sonar for anglers to use CHIRP technology. Dragonfly's dual-channel CHIRP sonar lets you explore structure and target fish like never before.

- View photo-like images of bottom structure with CHIRP DownVision
- Display high resolution structure images and target fish at the same time
- Exclusive Raymarine CHIRP DownVision technology delivers best in class deep water sonar imagery (600ft 180m) without any loss of clarity
- Intuitive user interface simplifies display choices and menu options
- Available with industry leading, Navionics charts included on microSD memory cards
- Temperature sensor built into the transducer
- Ideal for open cockpit installations thanks to spray and submersion protection to IPX6 and IPX7 standards

5.7" Bright sunlight viewable display for maximum readability in all conditions

Built in 50-channel GPS sensor

Simple three button control

Dual-channel CHIRP sonar





**CHIRP Sonar Technology**

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

**Seeing is Believing.**

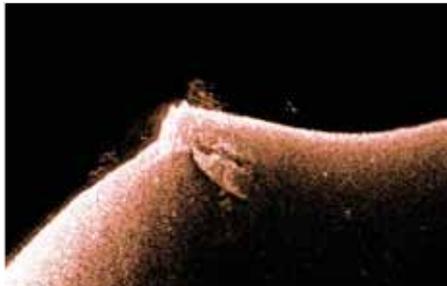
The amazing sonar imagery above is from actual Dragonfly owners. To see more of Dragonfly's real world performance please visit [www.raymarine.com/dragonfly](http://www.raymarine.com/dragonfly)



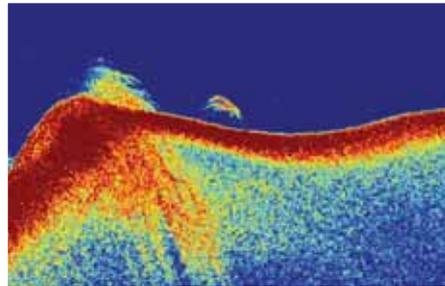
**Dual-Channel CHIRP – Two Sonars in One**

Dragonfly includes two discrete CHIRP sonar channels. The first is an ultra-high resolution DownVision channel and the second a high-resolution fish targeting sonar channel.

View each sonar channel independently or switch to dual sonar split screen mode for the ultimate in underwater intelligence.



High-resolution DownVision detail



Same location reveals individual fish targets in sonar mode



Tilt and swivel quick release cradle with optional locking core for added security

**Dual Channel CHIRP**

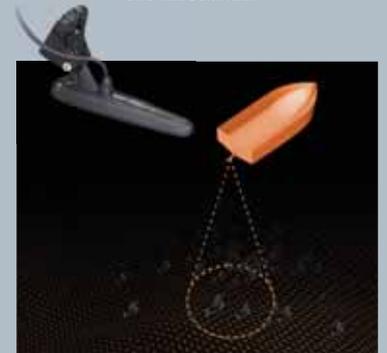
Dragonfly, aSeries and the CP100 Sonar Module utilize dual-channel CHIRP transducers. DownVision produces a 60° side-to-side and 1.4° fore to aft beam. The second element provides a conical shaped beam for imaging fish targets, ensuring you will never miss any of the action below your boat.

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.*



Ultra wide DownVision™



Fish Targeting Sonar



Photo: Jim Sammons



Photo: Peter Miller



## VIEW THE WORLD BENEATH YOUR BOAT LIKE NEVER BEFORE

### Digital Sonar

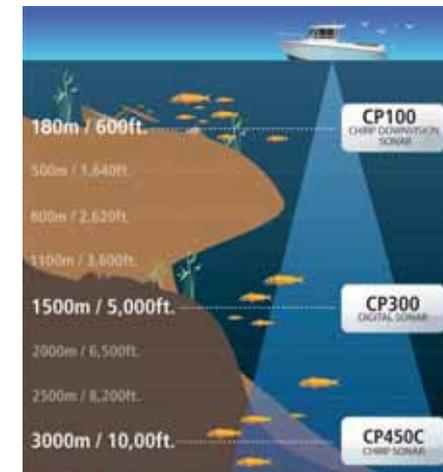
Raymarine is a pioneer in digital sonar technology and our latest generation of digital sonar delivers reliable, fully automatic, fish targeting and bottom detail. Available built in to aSeries, cSeries and eSeries MFDs or step up to the offshore performance of the CP300 network sonar module.

### CHIRP DownVision™

Raymarine's award winning CHIRP DownVision technology gives anglers underwater vision so close to reality we call it Visionality™. Image structure and target fish on a single sonar display in depths down to 600ft. (180 meters). Dragonfly, a68/a78 and the CP100 are equipped with CHIRP DownVision technology.

### CHIRP Sonar

Go beyond high definition sonar and go further offshore with the CP450C CHIRP sonar module. CP450C CHIRP technology identifies and separates baitfish from predators and delivers bottom tracking down to 10,000ft. (3000 meters).



Sonar depth performance guide

# CP100 CHIRP DOWNVISION SONAR MODULE



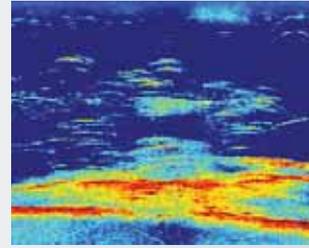
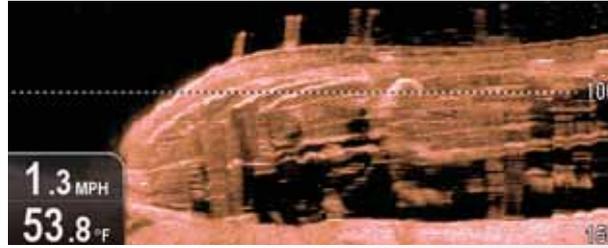
**CHIRP  
DOWNVISION  
ONBOARD**

## 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 target fish simultaneously.

## 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.



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



## Key features:

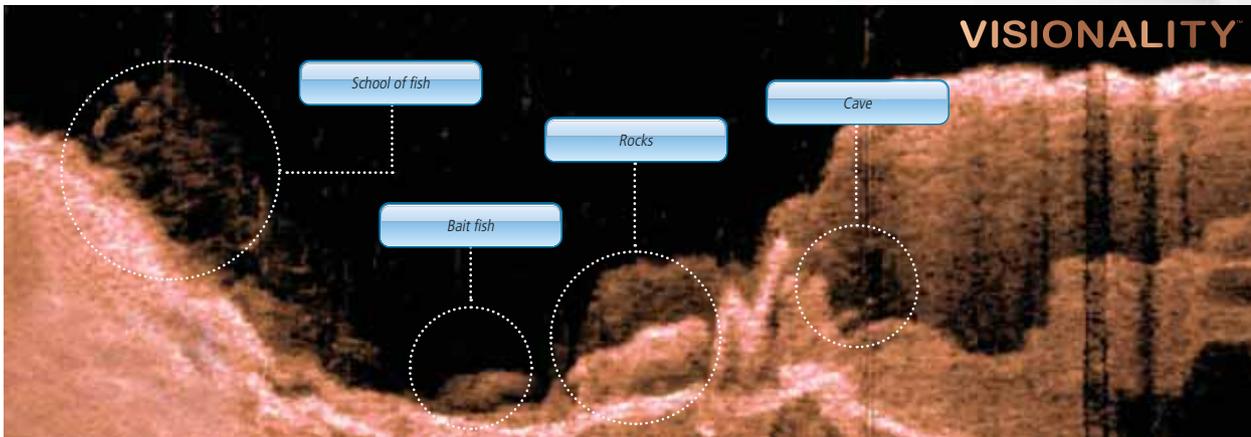
- Photo-like images of bottom structure with CHIRP DownVision
- Dual-channel; view high resolution CHIRP DownVision structure imagery and target fish with CHIRP sonar at the same time
- Network with Raymarine's latest multifunction displays. From the compact aSeries to the flagship gS Series the CP100 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

The 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 600ft (180 meters), CP100 is perfect for coastal and bay fishing. View wrecks with unmatched clarity and use the second CHIRP channel to target bait and predators.



**CPT-100** Transom Mount Transducer

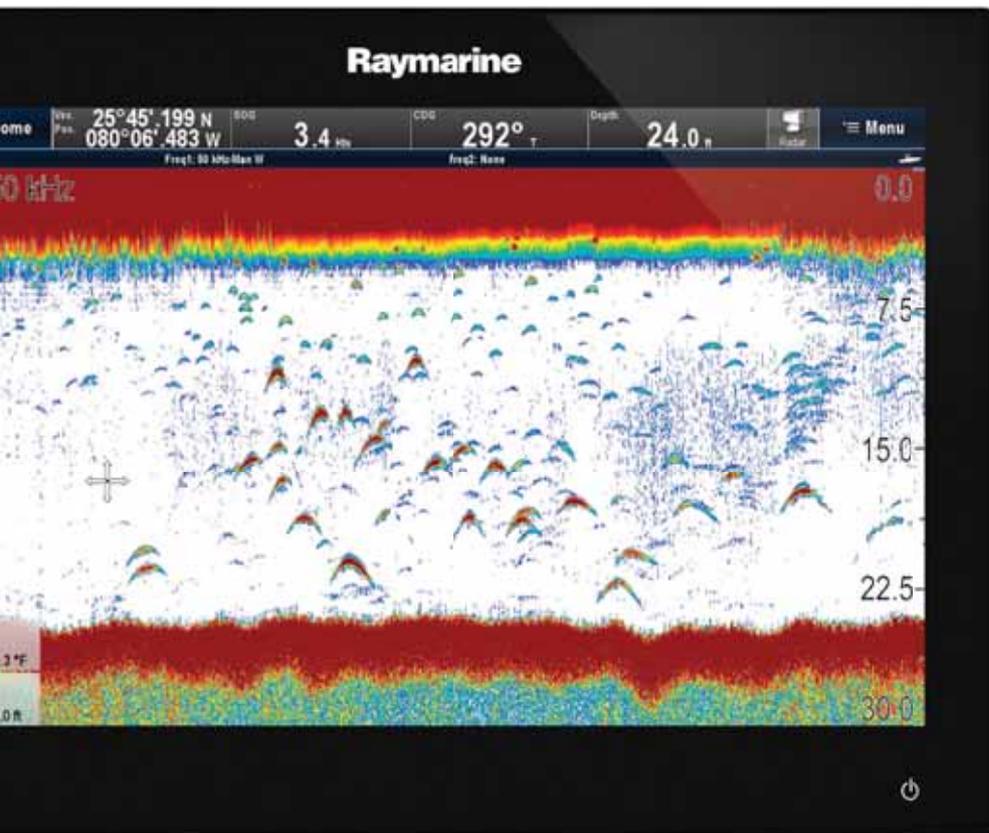


**CPT-110** Through Hull Plastic Transducer



**CPT-120** Through Hull Bronze Transducer with Fairing Block





## CP450C CHIRP HIGH PERFORMANCE SONAR MODULE

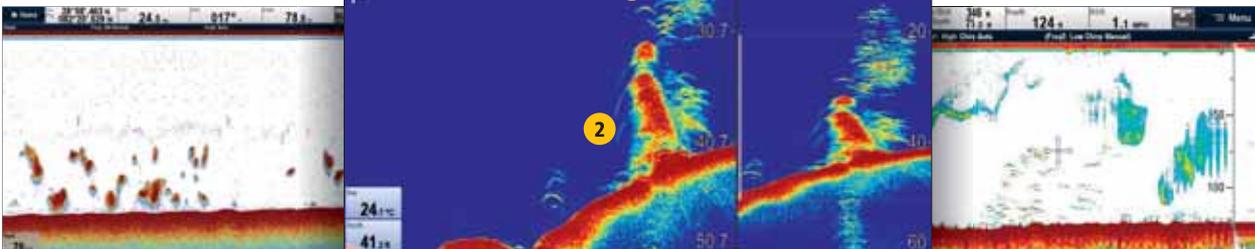
Built for the offshore angler that demands the best, the CP450C with CHIRP sonar technology goes beyond high definition sonar and delivers increased resolution, enhanced fish targeting and deeper depth performance. Easily identify and separate baitfish from predators using Raymarine's exclusive CHIRP sonar processing.

- TruZoom™ mode for a precise magnified view of fish targets, bottom structure and baitfish without any loss of resolution seen with traditional sonar
- Fast Pulse Rate with 80 pulses a second and enhanced shallow water and high-speed operation
- Network compatible with all the latest generation of Raymarine multifunction displays
- Dual CHIRP channels – 2 independently adjustable channels. Each channel can be customised to specific frequency bands along with independent manual and auto adjustment settings
- Low, medium and high frequencies for excellent performance at all depths – supports CHIRP transmissions from 25kHz to 255kHz with additional mid-band frequency support in the 75kHz to 130kHz range

### CP450C Applications: Offshore Fishing

With depth capability down to 10,000ft. (3,000 meters) the CP450C is the choice of competitive offshore anglers. From tuna to billfish the CP450C delivers incredible imagery and underwater intelligence.

CHIRP Sonar  
ONBOARD



Clearly identify bait fish (1) from their predators (2), even when packed tightly together, or stacked vertically



# CP300 DIGITAL SONAR MODULE



The CP300 Digital sonar module is for anglers looking to step up to more power and offshore performance. Using Raymarine's new and enhanced digital receiver technology the CP300 intelligently adjusts every sonar variable automatically and eliminates unwanted noise from the display. The result is accurate, easy to interpret fish targeting and bottom imaging.

- For anglers looking for enhanced performance above and beyond the built-in sonar option on Raymarine multifunction displays
- Dual frequency. 200kHz for coastal fishing and 50kHz for offshore
- Automatically adjusts and adapts for a clear image of fish and bottom structure in depths down to 5,000ft. (1,500 meters)
- Compatible with a broad range of 600W and 1000W transducers. Including in-hull, transom mount, and thru-hull option
- Improved digital filtering technology for accurate fish targeting
- Longer pulse lengths and faster ping rates deliver enhanced bottom tracking



For compatible transducer information, go to our website [www.raymarine.com](http://www.raymarine.com)

Digital Sonar

ONBOARD



## CP300 Applications: Coastal and Offshore Fishing

With up to 1000W of output power the CP300 is the ideal sonar for coastal anglers that make the occasional foray offshore.

	Depth Performance Guide	
	Metres	Feet
CP100 CHIRP DownVision Sonar Module	183	600
CP300 Digital Sonar Module	1,500	5,000
CP450C CHIRP Sonar Module	3,000	10,000

	Product Compatibility		
	CP100	CP300	CP450C
aSeries	•	•	
cSeries / eSeries	•	•	•
gS Series	•	•	•
eSeries Classic		•	
c/eSeries Widescreen		•	