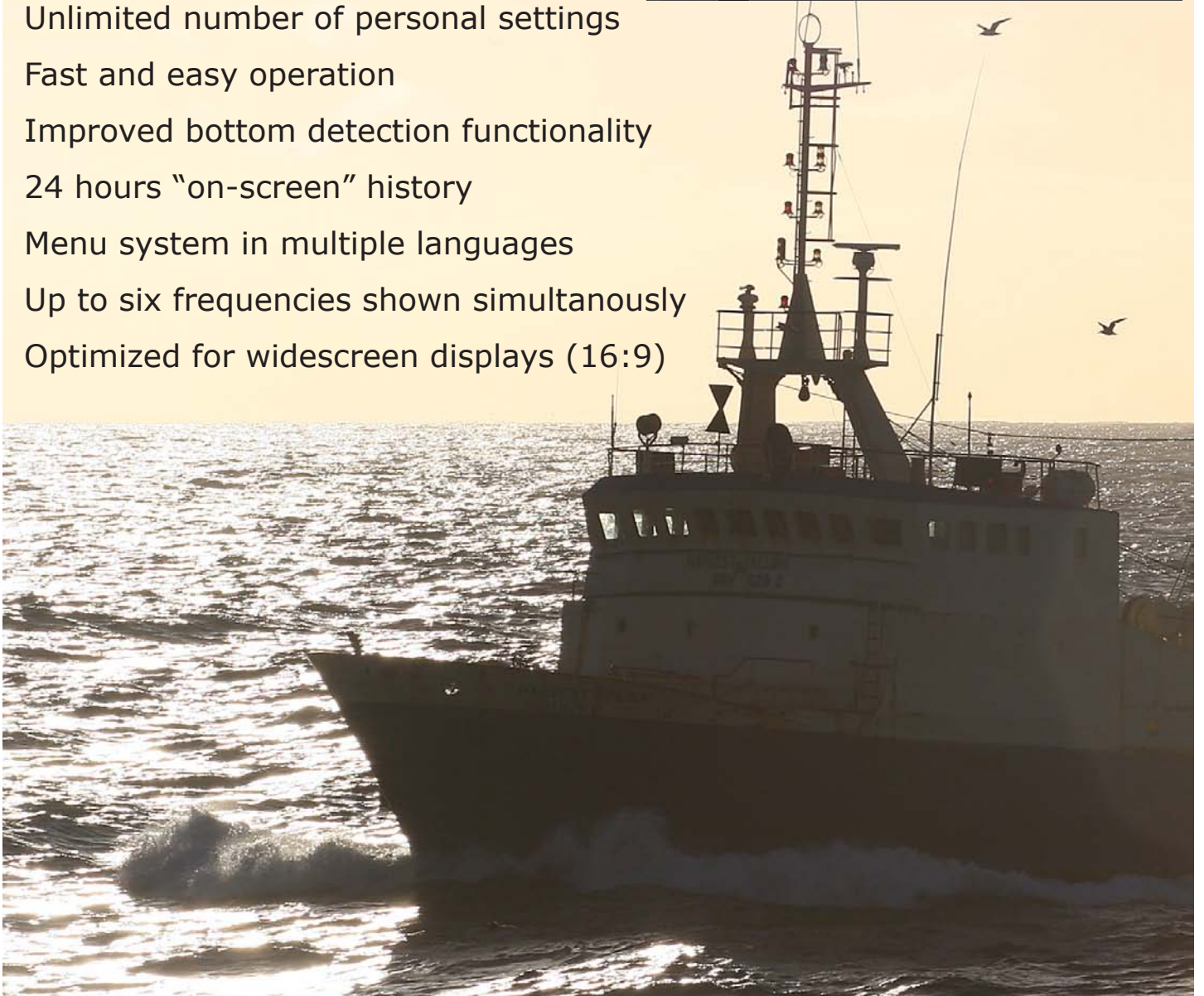
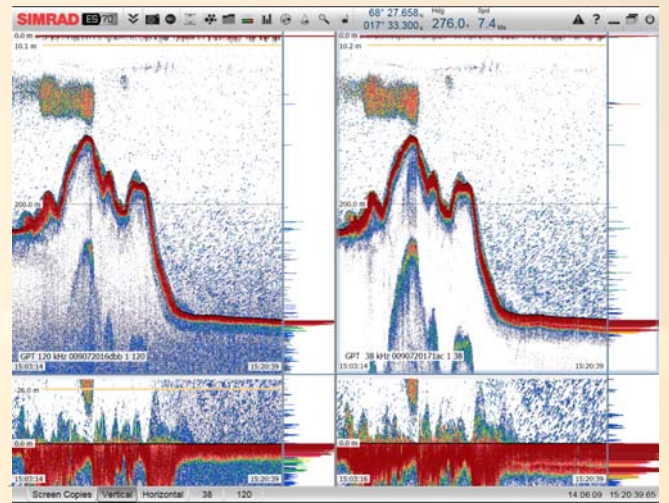


# Simrad ES70

## Single beam fish finder

- State of the art echo sounder
- High resolution - high accuracy
- Zoom function with biomass
- Bottom hardness
- Innovative display gain functionality
- Seamless automatic range
- Automatic pulse length adjustment
- Unlimited number of personal settings
- Fast and easy operation
- Improved bottom detection functionality
- 24 hours "on-screen" history
- Menu system in multiple languages
- Up to six frequencies shown simultaneously
- Optimized for widescreen displays (16:9)



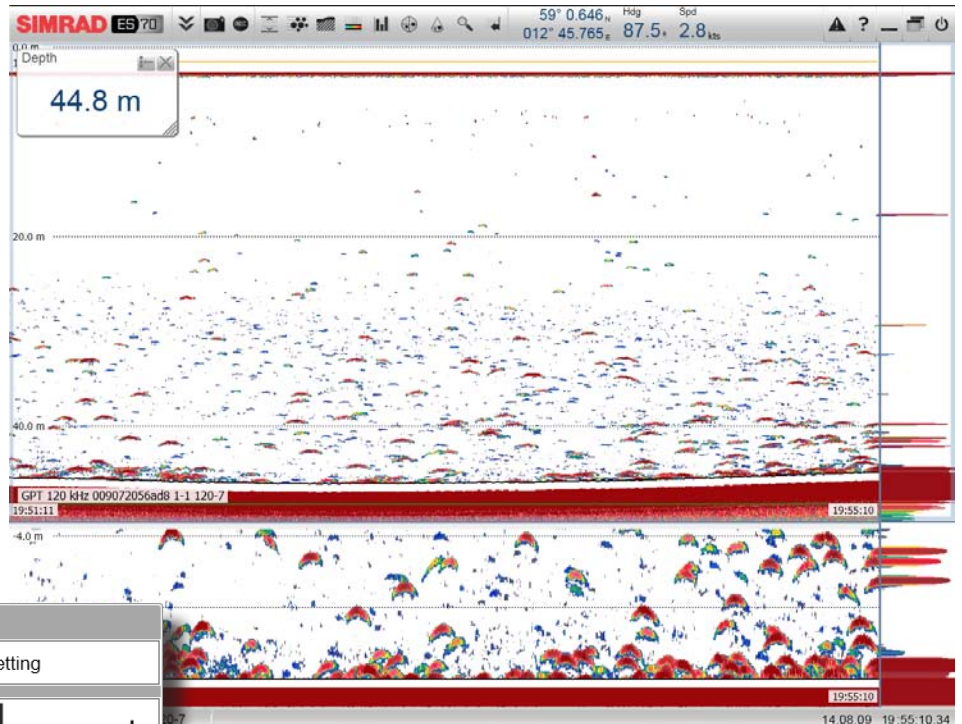
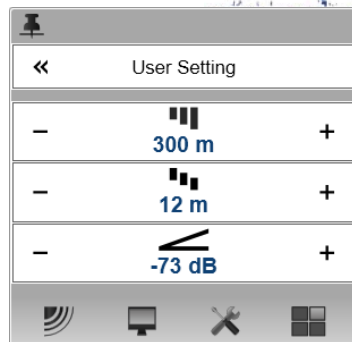
Simrad ES70 is a modular system. This means that you can start with a simple one frequency single beam system. Later, you can expand the system to a multi-frequency echo sounder using single and/or split-beam transducers. You can choose from a wide variety of advanced software functions, transducers, and transceivers.

### The Simrad ES70 is a single beam echo sounder for any type of fishery

The Simrad ES70 is a new generation echo sounder. The latest innovations in computer technology have been used to satisfy the increasing needs from our demanding customers: “Top performance at any depth, and easy to operate!”

### Menu system in your own language

The menu system on the Simrad ES70 uses icons and buttons with text in your own language to ensure fast and easy operation.



#### ES70 Single Beam models

- Several different frequencies: 12, 18, 27, 38, 50, 70, 120 and 200 kHz
- Separate on-screen information panes for:
  - Zoom view
  - Depth
  - Colour threshold
  - Bottom hardness (Option)
  - Fish biomass (Option)
- Optimized pulse length with range
- Unlimited number of personal settings
- Seamless auto range
- Change in “Gain” settings applies to the entire screen
- New bottom detector for improved detection of fish close to the bottom and on slopes

- Up to six frequencies on the screen simultaneously
- 24 hours “On screen history”
- Colour threshold can be adjusted for individual frequencies
- 64 or 16 colors
- Optimized for widescreen display monitors
- Own display area for Bottom Expansion, Pelagic expansion or Trawl area
- Menu system in local language
- Transceivers with single or dual frequencies
- Transmit power up to 4 kW
- A – Scope
- Depth marker
- On screen readout of Latitude, Longitude, Heading, Speed and Temperature

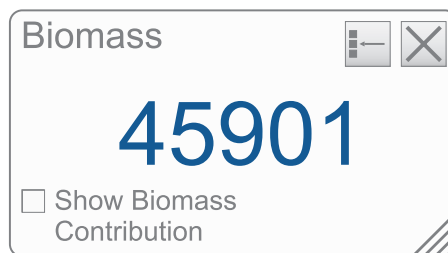
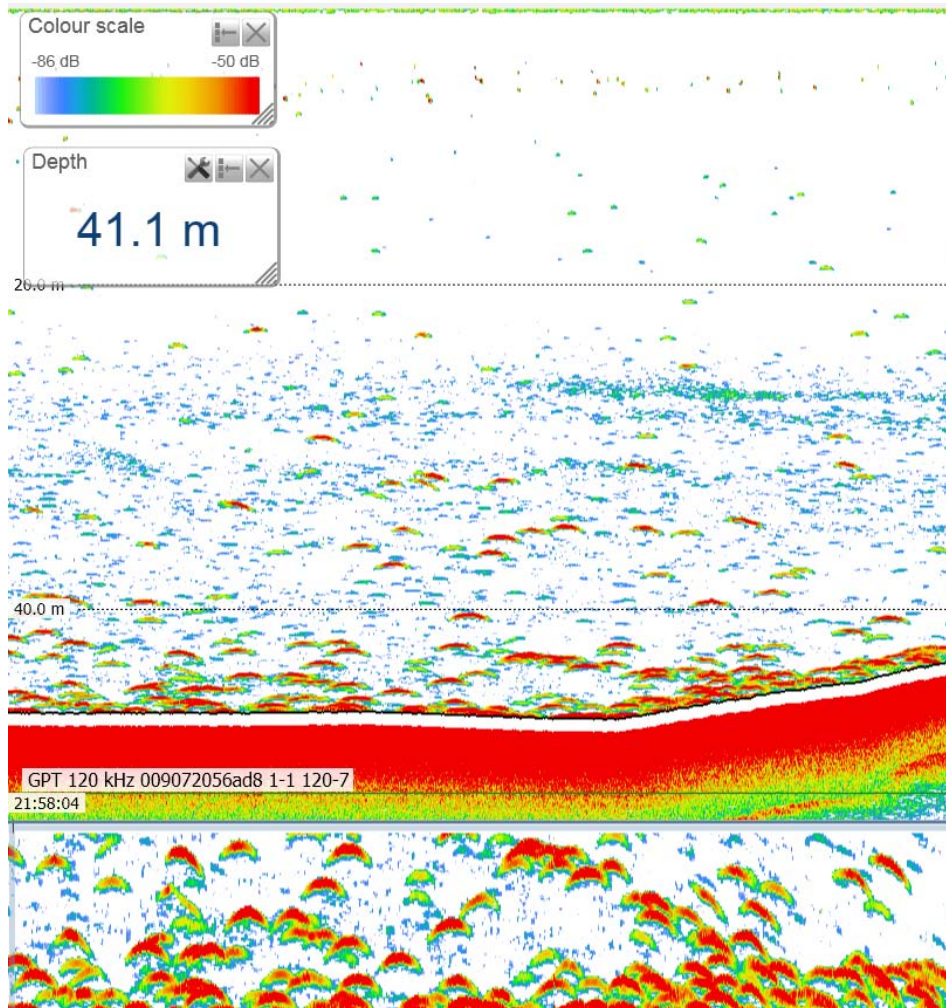
- Interface to GPS, Simrad catch monitoring systems and sonars.
- Screen speed adjusted for Ping rate, Distance or Time
- Screen capture function

#### Optional features

- Calculation of biomass
- Calculation of bottom hardness
- Heave compensation



The Simrad ES70 provides you with a clear and undisturbed echogram. If wish to add more information, you can open dedicated information panes.



### Multiple frequencies available

Different frequencies and transducers are used for different fisheries. Mackerel, Tuna, Anchovies, Herring and other schooled fish are best measured using a high frequency system, typically 120 or 200 kHz depending on the depth. Cod, Pollock, Seith and other bottom fish can be measured using 70 or 38 kHz systems, while 18 kHz is used for deep water species.

Any two of the available

frequencies can be assembled in the same transceiver cabinet.

Each frequency is operated separately as with individual echo sounders, or simultaneously to see the frequency response from the fish on two different frequencies.

You can add up to a total of six frequencies on the screen at the same time, or on separate monitors, using available software, computer technology and display monitors.

### Introducing Information Panes

With the Simrad ES70, Simrad introduces a new way to present optional information. We call them **information panes**.

With a click on the requested icon on the top bar, the information you wish to add to the echogram is presented in a dedicated frame. You can place the frame wherever you want, and you can resize it to any shape. It is even transparent, so you will not lose any information from the echogram behind it.

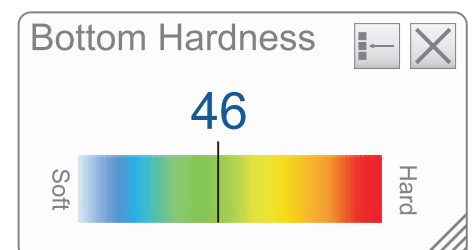
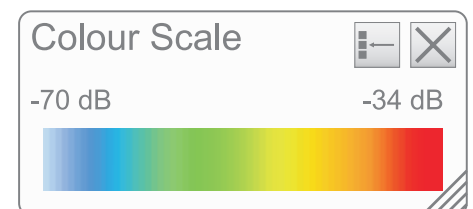
### New Zoom function

The new zoom function provided by the Simrad ES70 is innovative, efficient and very easy to use. Using the trackball you can establish an area on the echogram. The information within this area is displayed in the Zoom pane, and the fish biomass is calculated and displayed.

The zoomed area can be used to investigate a school of pelagic fish, or an area close to bottom.

### Bottom Hardness

The new Bottom Hardness pane allows you to investigate the bottom conditions. The ES70 measures the reflectivity, and calculates the hardness on a scale from 1 to 100. The information may also be exported to navigation plotters.



## High quality transducers

The Simrad Combi-D transducers operating on 38/200 and 50/200 kHz are the most commonly used transducers for coastal fishing. Both transducers are rated 1 kW. Connected to the ES70 echo sounder you can detect single fish down to 500 meters on 38 kHz, and 220 meters on 200 kHz.



## Limitless capabilities

The Simrad ES70 echo sounder is more than a regular echo sounder. It has capabilities beyond any competitor.

You can put together a system with as many transducers and frequencies as you like, and build the sounding system you always dreamed of: Looking down or sideways, fish volume, single fish detection in shallow as well as deep water, bottom discrimination, history echogram, recording facility, unlimited personal settings, data output to plotter, etc.

## Long history, long experience

Simrad has manufactured echo sounders for more than 60 years. Simrad's first echo sounders came in 1951. These gave the fisherman a real advantage, he was able to see the depth, the bottom contours and even fish!

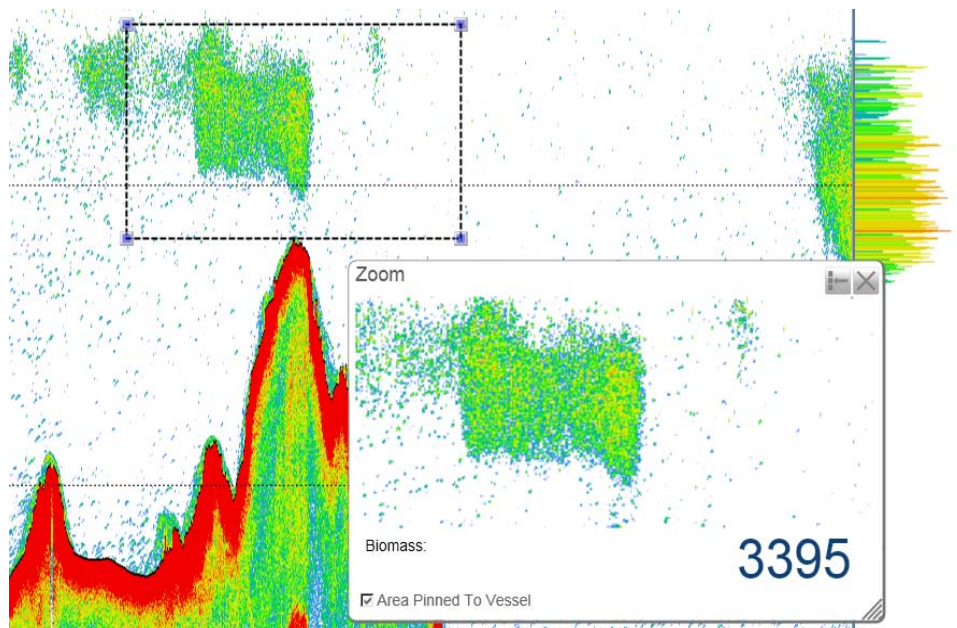
Since then, Simrad has been the world's leading manufacturer of echo sounders. Fishermen all over the world trust Simrad to provide the very best in quality, and lead the way in innovative functionality, and to come up with better and more advanced designs. It's a well placed trust. Simrad has shaped the path of the echo sounder technology.



## The most powerful zoom function ever!

Choose and size any area on the echogram, and investigate the echoes in the Zoom pane. Let the area stay fixed to the vessel, or let it follow the echogram.

Observe the total biomass present in the zoomed area.



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