



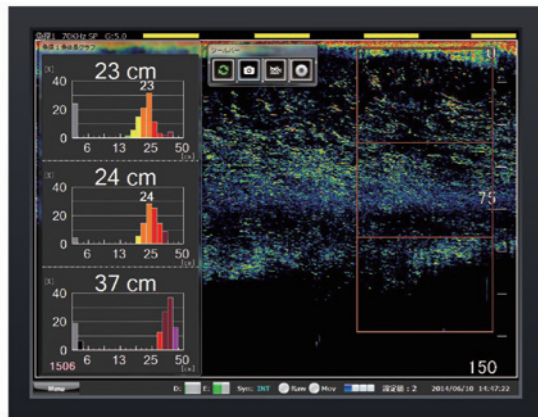
**New KSE series offers efficient fishing and resource management!**

**Main features**

- Fish length graphs are more smoothly displayed in higher definition**  
Higher definition is achieved by an increased data amount that's 1.5 times more than before, as well as by a reduced pulse width
- Operability is greatly improved through a dedicated controller**
- Multi-screen**  
Up to five types of echograms can be simultaneously displayed
- A function to record raw data is available as a standard feature**
- Introduction of an ultra-high-precision digital TVG as leading-edge technology**  
Improved interference elimination and image discrimination
- Frequency difference method**  
this is effective for extracting the target fish school  
※ This feature is available on a system with two or more frequencies
- Dual Monitor Display**  
Different frequency can be shown on each display separately
- Full HD Display**  
Full HD Display is available.

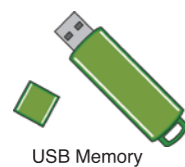
**Full HD Display**

Wide Full HD Display available.



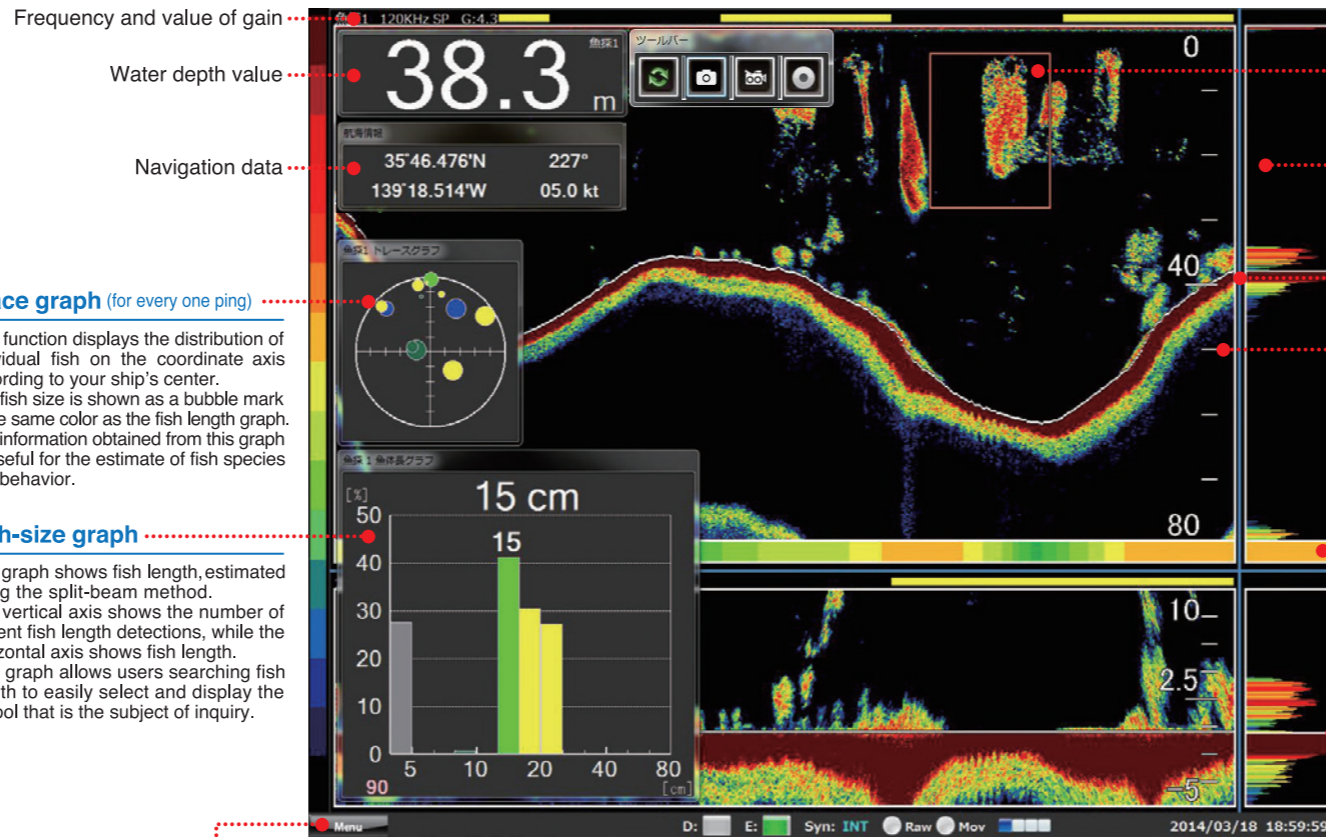
**Raw data recording**

To meet the requirements of users who wish to use this system not only for selective fishing and resource management but also for biomass evaluation, a new function to record raw data has been added. The data can be recorded with one click in a USB flash drive. In compatible with the KFC series, analysis software corresponding with Echoview\* is required.



USB Memory  
※Echoview is a registered trademark of Myriax Pty Ltd.

Recording setting screen



The fish length of the school within the range you selected can be measured.  
(There are three other ways available to select the ranges)

A Scope

Sea bottom (Displayed in solid white)

Scale

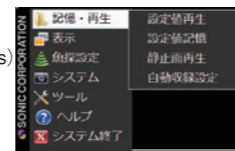
Sea bottom level

The sea bottom level is color displayed based on the seabed integration result in addition to the underwater echogram.

Enlarged sea bottom display (Sea bottom fixed display)

Sea bottom

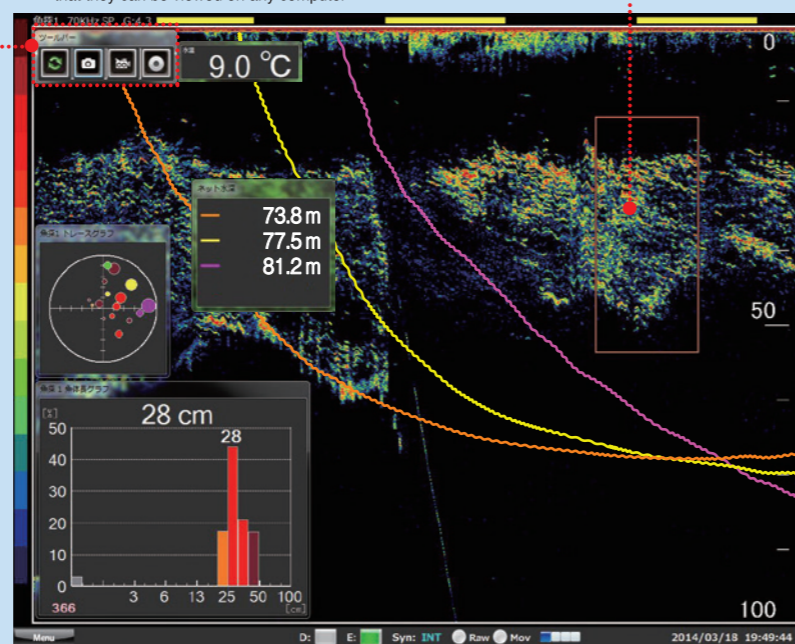
Menu button (Dropdown components)



The usage of the folder used for saving is displayed

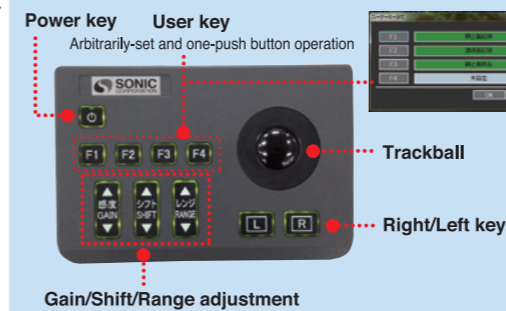
**Toolbar**

Screens and continuous still images can be saved, and raw data can be recorded. These are stored in the USB memory in JPEG format so that they can be viewed on any computer



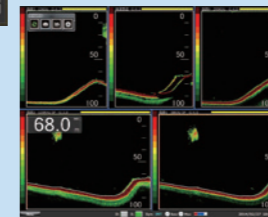
※Net depth of the above screen is an image taken from Sonic Net Finder, KNF-100 (three frequencies)

**Dedicated controller (RC21)**



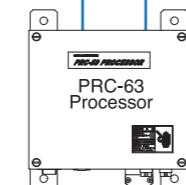
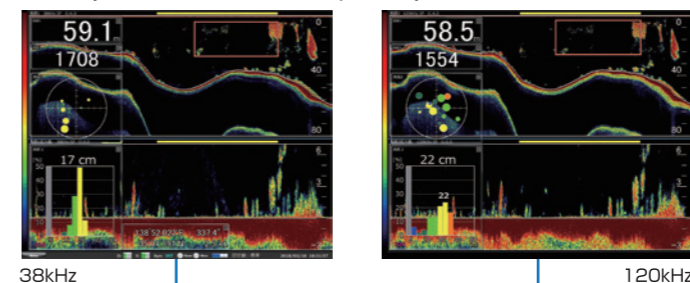
**Multi-screen**

Max. 5-screen display  
The size and position of each window can be changed freely



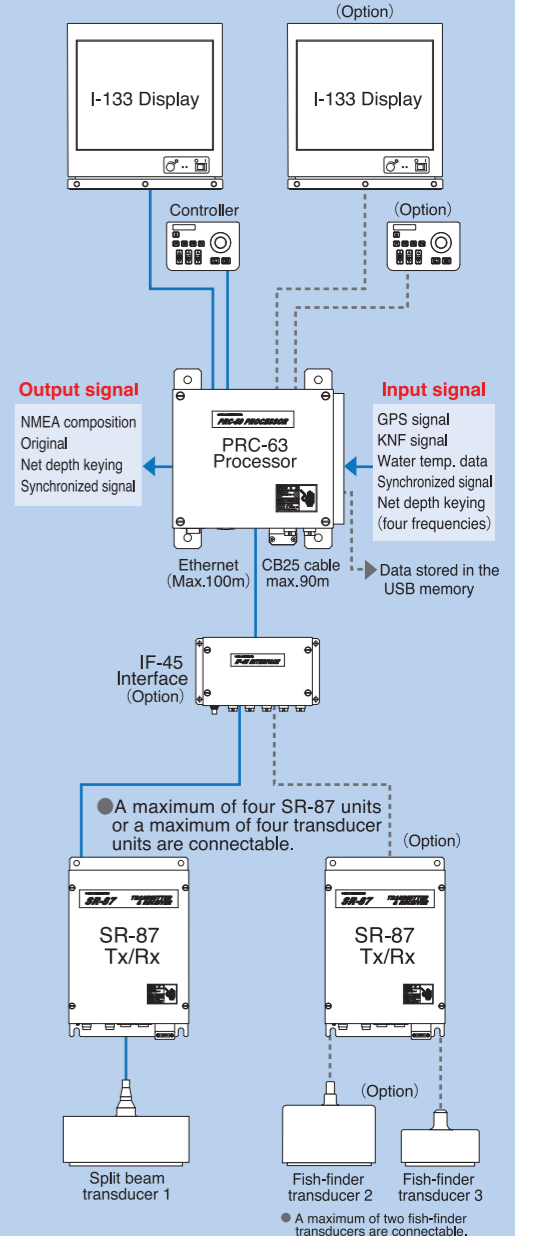
**Dual Monitor Display**

Dual Monitor of different frequency enables and enhances Skippers' ability to detect fish size more precisely.



**KSE-310 System Diagram**

Up to two display and controller units can be installed. Separate two monitors show different frequency pictures. (Option)



**Fish Sizing Echo Sounder KSE-310**

- Transducer: Split beam
- Beam width 8.5° x 8.5° (-3 dB, full angles)
- 38.0 kHz : T-178 transducer (Tx output 3 kW)
- 70.0 kHz : T-181 transducer (Tx output 3 kW)
- 120.0 kHz : T-203 transducer (Tx output 1.5 kW)

**Color fish finder KCE-310**

- Single beam transducer below is selectable. But fish-sizing measurement is not available.
- 15 kHz : T-105A Transducer (Tx output 2 kW)
- 200 kHz : T-105R Transducer (Tx output 2 kW)