

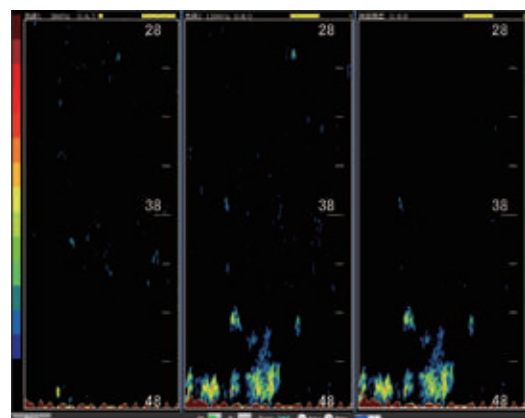
New KSE series offers efficient fishing and resource management!

New 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

Frequency difference method

The "frequency difference method" is a function used to draw images by extracting only the data showing the difference between frequencies A and B.



Frequency A Frequency B Frequency Difference

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.

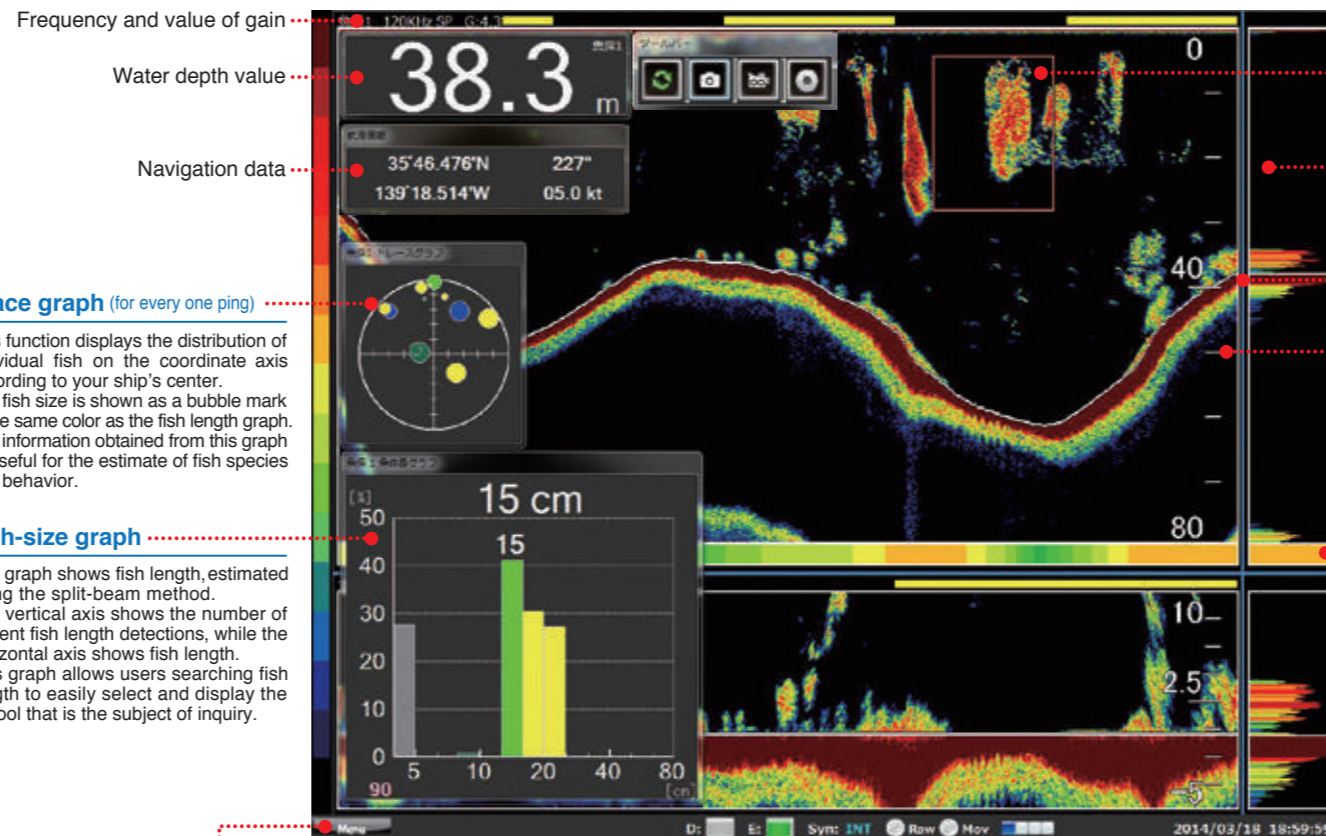


Recording setting screen



USB Memory

※Echoview is a registered trademark of Myriax Pty Ltd.



Trace graph (for every one ping)
This function displays the distribution of individual fish on the coordinate axis according to your ship's center. The fish size is shown as a bubble mark in the same color as the fish length graph. The information obtained from this graph is useful for the estimate of fish species and behavior.

Fish-size graph
The graph shows fish length, estimated using the split-beam method. The vertical axis shows the number of current fish length detections, while the horizontal axis shows fish length. This graph allows users searching fish length to easily select and display the school that is the subject of inquiry.

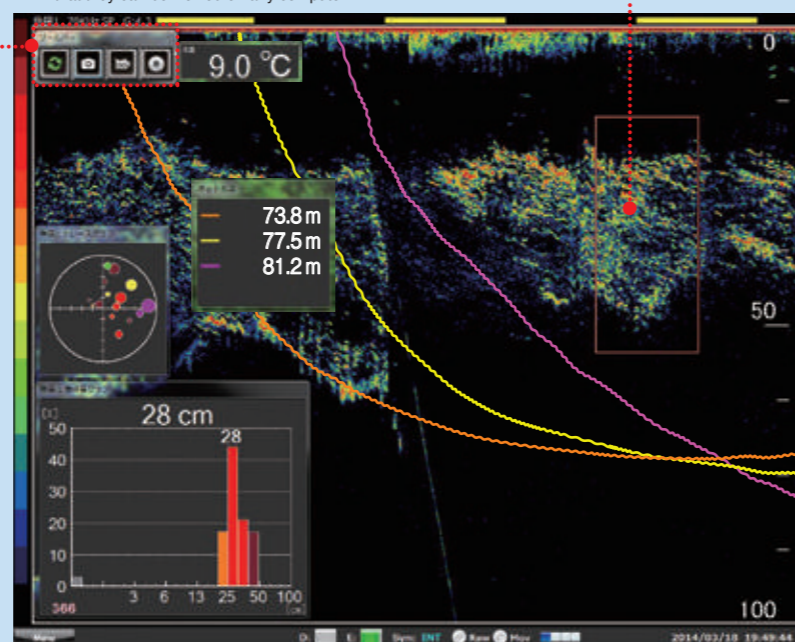
Menu button
(Dropdown components)



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)

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

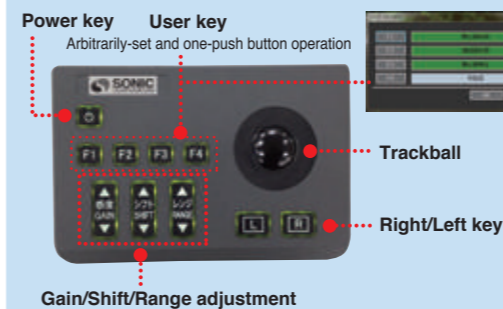
(The reflection strength of the sea bottom is shown)

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)

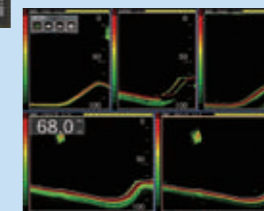
Sea bottom

Dedicated controller (RC21)



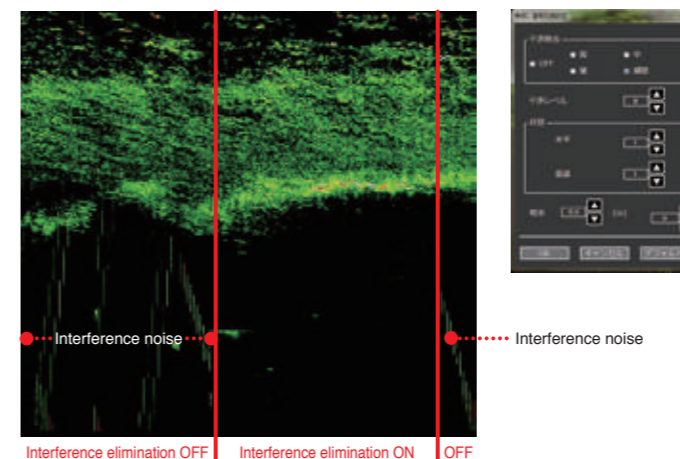
Multi-screen

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



Interference elimination

The images below show the interference elimination function of the KSE-300 frequency:70kHz, recorded in an actual sea area in the order of OFF, ON, OFF.

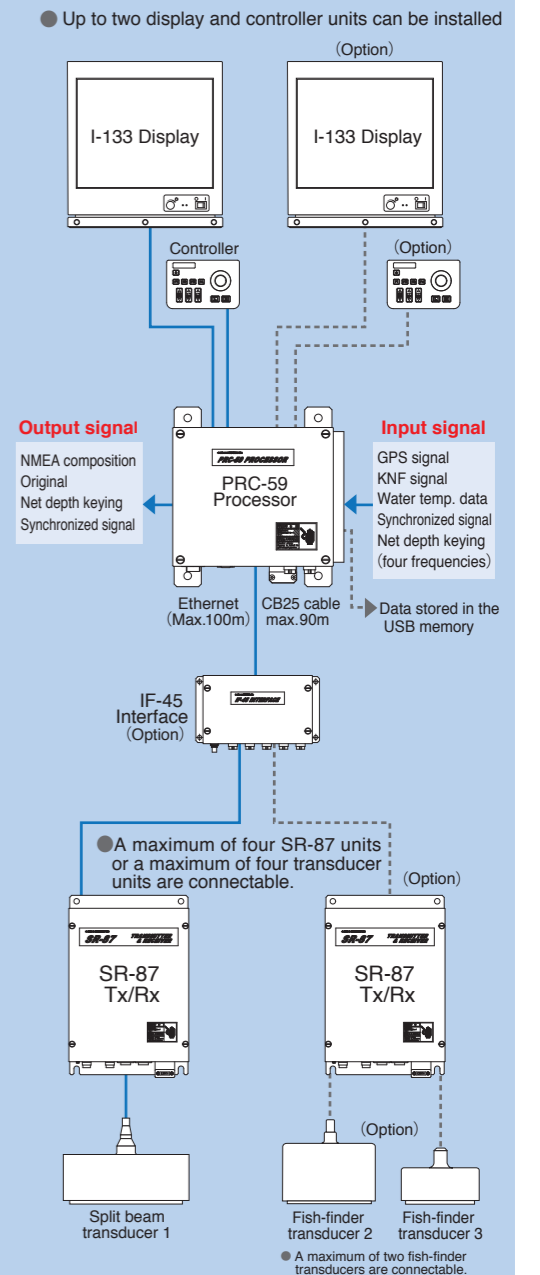


Interference elimination OFF

Interference elimination ON

OFF

KSE-300 System Diagram



Fish Sizing Echo Sounder KSE-300

- 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-182 transducer (Tx output 1.5 kW)

Color fish finder KCE-300

- Single beam transducer below is selectable. But fish-sizing measurement is not available.
- 15 kHz : T-105A Transducer (Tx output 2 kW)
 - 24 kHz : T-51C Transducer (Tx output 2 kW)
 - 50 kHz : T-51H Transducer (Tx output 2 kW)
 - 75 kHz : T-51K Transducer (Tx output 2 kW)
 - 200 kHz: T-105R Transducer (Tx output 2 kW)