Display section:
PPI image by TFT liquid crystal color display

Frequency:
SCS-88 Lb: 88kHz
SCS-88 Lc: 94kHz

Display resolution:
SXGA(1280×1024)

Display colors:
Sonar image —32-color display
Character —4-color display
Marker —2-color display

Display modes:
Head-up, north-up, and true motion (*External signals are necessary)

Additional modes:
Stabilization (±20-degree compensation),
off-center (enlarged 1.5 times in a desired direction)

Simultaneous screen modes:
Vertical section screen (1 direction, 2directions, enlarged screen),
sonar 2 directions (lengthwise, crosswise), memory image, audio image,
full screen, multiple screen, fish finder image

Ranges:
Any 15 ranges can be selected out of 150, 200, 250, 300, 400, 500,
600, 700, 800, 900, 1000, 1200, 1400, 1500, 1600, 1800, 2000,
2500, 3000, 4000, and 5000.
The range is enlarged 1.5 times for off-center. (not available over 5000m)

Receiving method:
Super heterodyne method, real-time beam method, and forming method

Transmission method:
OMNI transmission

Audio frequency:
800Hz

Tilt angle range:
3° upward-60° degrees downward

Section detection range:
0° -60° downward

Beam (at –3dB):
Transmission-Horizontal 360° ×7°
Receiving-Horizontal 8° ×8°

Additional functions:
Interference elimination, signal processing, clutter, TVG, AGC, memory card,
and auto tilt angle functions

Display marks:
Own ship mark, wake mark, cross-line cursor, event mark (max.10 event
marks),bow mark, direction mark, cast-net mark, tidal current mark and other
marks. (*Some marks are displayed only when external signals are input.)

External signal input:
NMEA0183   Four inputs available with NMEA 0183.
NMEA0183   Own ship position, ship speed, ship speed bearing, seabed
depth, sea water temperature, and bow bearing

Hoist unit stroke:
LL=1350mm, L=1000mm

Power supply:

Processing	Single-phase 100~200VAC, 50/60 Hz, and 400VA
Receiving	Single-phase 220VAC, 50/60 Hz, and 600VA
Transmitting	Single-phase 220VAC , 50/60Hz, and 500VA
Hoist unit	3-phase 220VAC, 50/60Hz, and 1500VA

Measurement(W×H×D) & Weight:

I-133 LCD	460mm×430mm×345mm	24Kg
RC-17 Remote Controller	246mm×158mm×46mm	1Kg
PRC-61B Processor	280mm×450mm×388mm	21Kg
TX-25 Transmitter	532mm×670mm×440mm	85Kg
RX-42 Receiver	665mm×754mm×445mm	95Kg
P-79B Power Box	215mm×335mm×153mm	12Kg
M-118C-LL Hoist	690mm×3510mm×714mm	510Kg
(With T-192 Tranceducer)		
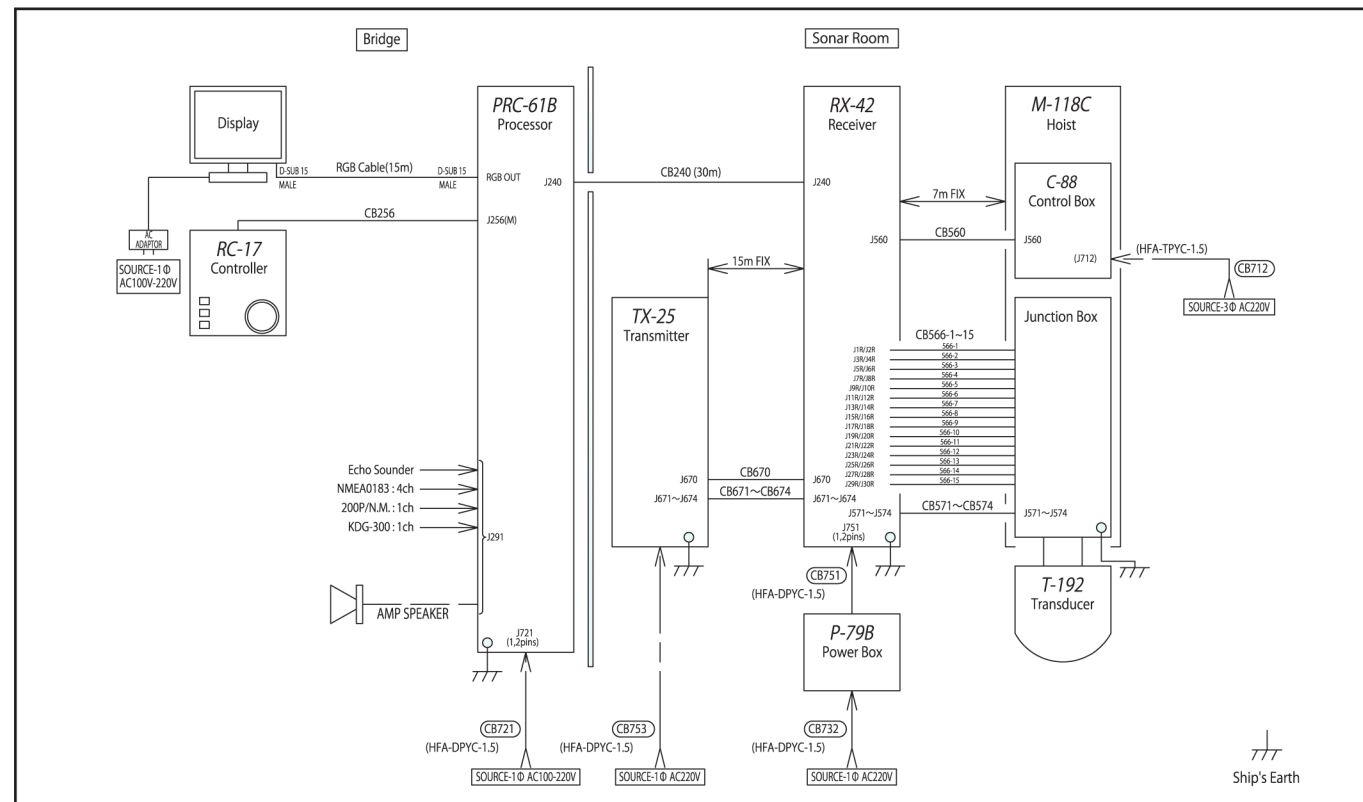
⚠ SAFETY PRECAUTION : Please be sure to read the Instruction Manual before operating
● Specifications are subject to change without prior notice for improvement.

SONIC CORPORATION

S C S s e r i e s
High Frequency, High Resolution

Scanning Sonar

SCS-88

Scanning Sonar
S C S s e r i e s
High Frequency , High Resolution

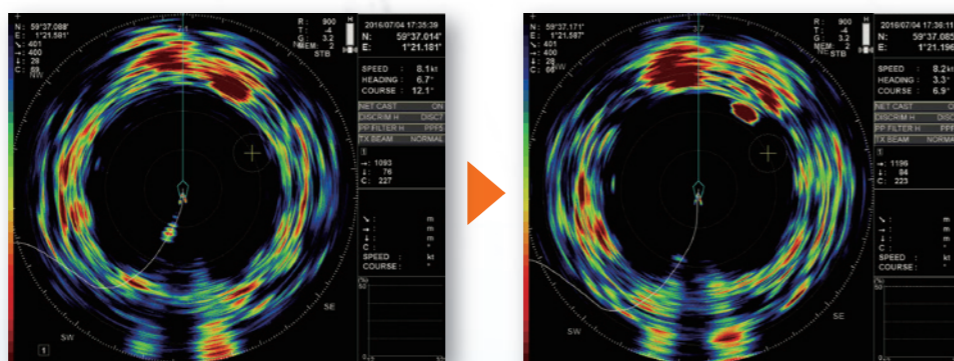# SCS-88
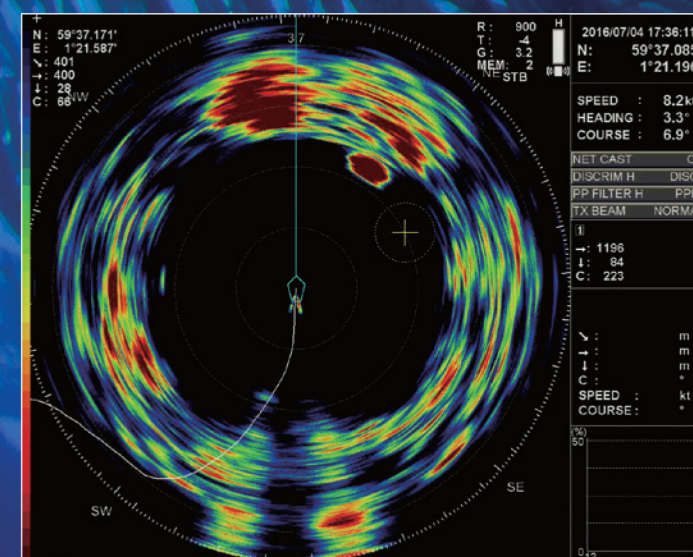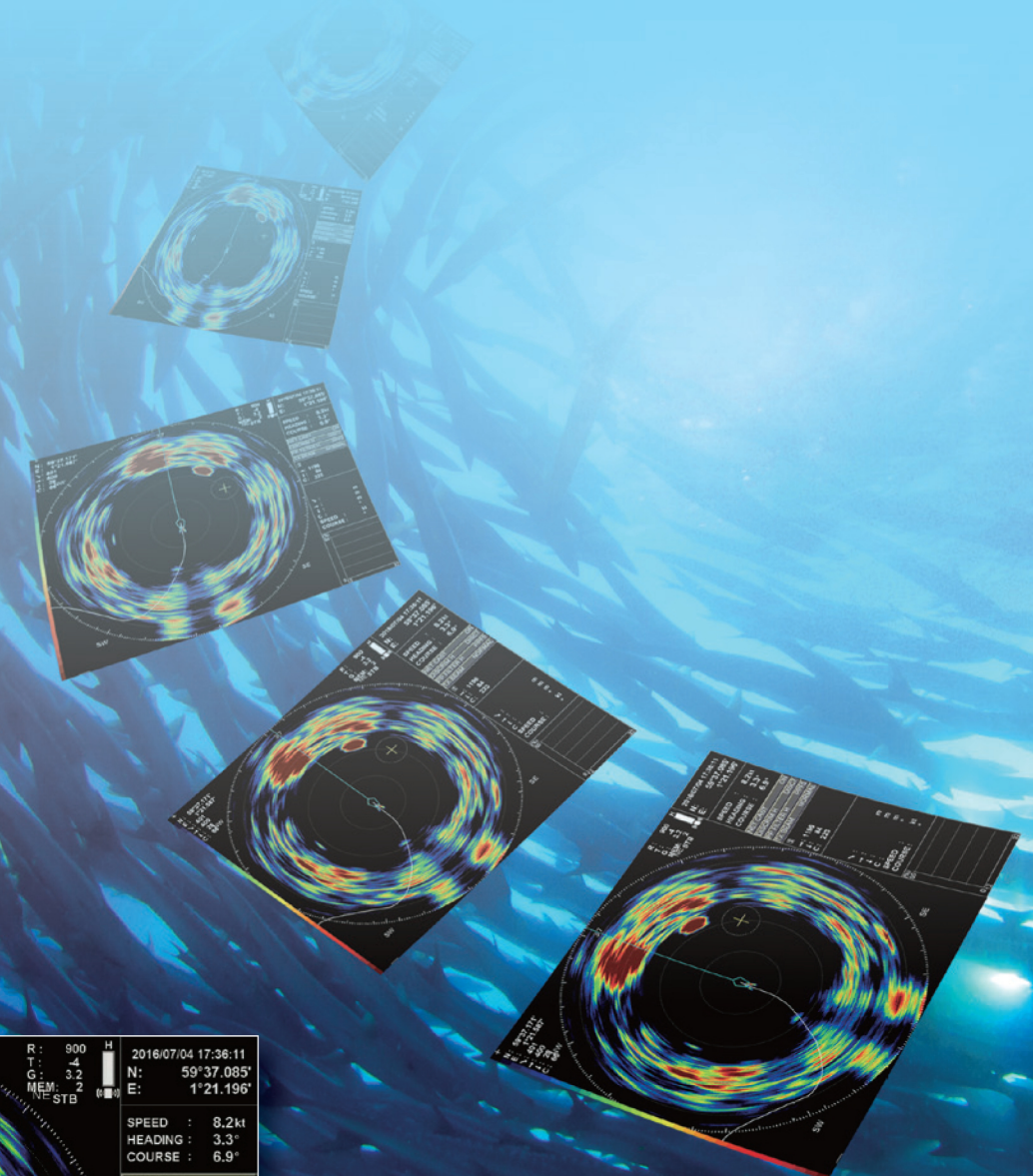
High Frequency Scanning Sonar!!
New Digital Signal Processing enables and enhances skippers' ability to detect fish from short to long ranges.

- One touch memory keys to recall suitable settings for your fishing style and conditions.
- Multiple display selection with dual portrait or landscape mode.
- Suitable for bonito, tuna, squid fishing as well as detection for fish on the sea-bed.
- Stable fish echo image with advanced processor system and stabilize function even under rough sea conditions.
- New fish tracking and fish volume estimation functions support your effective fishing.
- On-demand variety kinds of display modes helps your fish detection.
- Hull unit with guide ring offers safety and toughness.
- High maintainability and sturdy transducer with a unique dorm-structure.

Cross section screen with various display modes.

Multiple display modes such as single, dual and magnified screen functions are available for the cross-section mode. Furthermore, the display area in the depth direction is selectable as either large or small. The maximum detection range in the magnified screen mode is 1000m. The ratio between vertical and horizontal directions (distance/depth ratio) can be changed depending on the fishing situation. Thus, detailed fish school data can be provided even in the cross section mode.

Cross section mode

Clear fish echo image by high resolution for bonito, tuna as well as fish on the seabed.

Our full-circle high frequency sonar is effective in the detection of bonito and tuna.
To follow the swimming speed, it is not good enough to be dependent upon image processing. In other words, a transducer with strong sound pressure and high sensitivity is required. Our sonar achieves a longer detection range by using a transducer arrayed with thousands of elements around its circumference.

Sample image to detect fish

New functions with high resolution and greater detection capability change your fishing style.

A new function to track a maximum of 3 different schools of fish has been added. In addition to showing the distance and bearing based on your own ship, the moving speed and direction of the fish schools are indicated on the screen. The fish volume estimation indicates the estimated amount of target fish schools in figures by setting the fish volume beforehand. These new functions have been developed to support your fishing and fish target selection.

Fish tracking and fish estimation functions

Compact and easy-to-use remote controller.
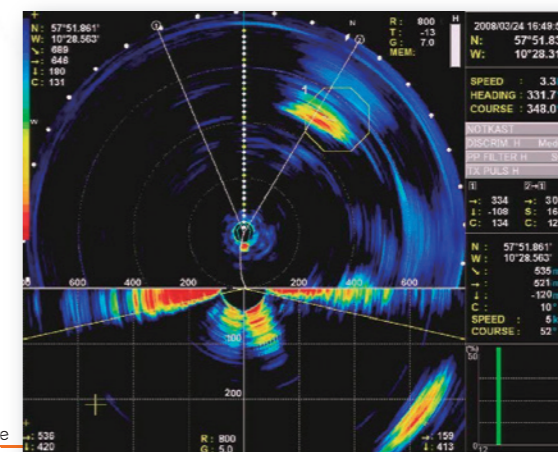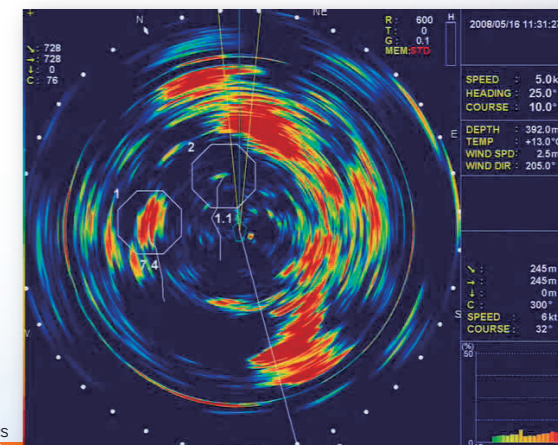
Your favorite maximum 10 different sonar setting patterns can be memorized in <sonar memory> function, which enables you to recall suitable sonar settings for different fishing grounds and fish targets easily with one touch finger operation. The standard normal sonar setting is already memorized in the 11th memory as the default setting which is protected from over-writing, and therefore the standard normal setting can be recalled anytime whenever needed. Five preset keys and a maximum of 8 screen memory keys are for frequent use menu registration.

RC-17 remote controller

Advanced TX/RX stabilization function

The stabilization function controls the depression angle in small 6.0 degree steps through 360 degress for both transmission and reception.

OFF / ON