FURUNO

MODEL

CSH10
360-Degree Omni Scanning Sonar

Display: Color LCD display
(Display sold separately)

www.furunousa.com

360-degree Omni Sonar

MODEL
CSH10

The CSH10 360-degree Full-Circle Omni Sonar is designed for serious sportfishing, delivering the speed, precision, and performance you need to succeed on the water.

This 83.5kHz Omni Sonar with an adjustable beam width perfect for detecting schools of fish near the surface while improving long range detection.

The CSH10 brings sportfishing to a whole new level with enhanced detection, ease of use, and rugged durability. Whether you're chasing trophy fish or just out for a weekend adventure, this Sonar gives you the tools to make every trip a success.

Easy-To-See Tilt Display

Depth of top edge of beam width

Cursor depth

Depth of beam width bottom

Horizontal distance to cursor

Detection range (beam display)

Straight line distance to cursor (Slant range)

Event mark target

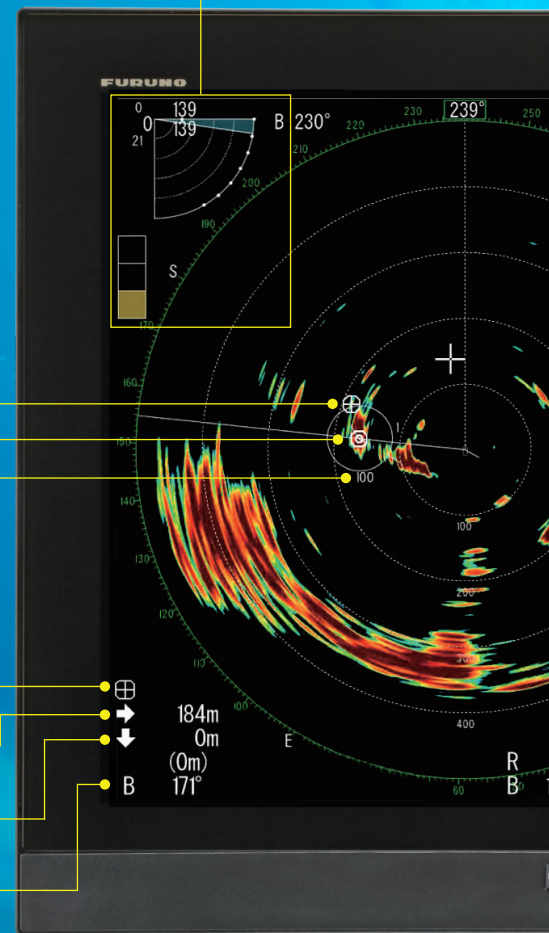Lock mark / Fish quantity mark

Fish quantity mark diameter

Event mark

Horizontal distance from own ship mark

Current depth (Depth of the mark when the event mark key is pressed)

Bearing to the mark

Deployed   **Ascending**   **Descending**   **Retracted**

Transmitter position indicator lets you see the transducer position at a glance!

Key Features

Scan 360° around your boat - Real-time, 360 degree target detection delivers immediate recognition of trophy fish, bait balls, and underwater structure, ensuring you're always on top of the action!

Beam stabilization - Furuno's unique technology delivers clear and stable images in rough seas, giving you confidence that your Sonar will deliver accurate information no matter the conditions

Target Lock function - Lock onto fast-moving schools or fixed targets

Improved image clarity & range - The CSH10 features upgraded display colors and clearer resolution, making it easier to distinguish between fish and underwater terrain

Detection ranges up to an incredible 900 meters (over 2,900 feet) - You'll have a clear & immediate picture of what's happening below the surface in all directions for over half a mile!

Compact and intuitive control unit - With a user-friendly RotoKey™ and trackball for smooth and responsive operation

Optional wireless remote control - Adjust your Sonar settings from anywhere on the boat, so you can focus on the catch

New! Data recording and playback - Save images and videos for future viewing

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Horizontal distance to cursor

Vertical Distance to cursor (Depth)

Distance to cursor (Slant Range)
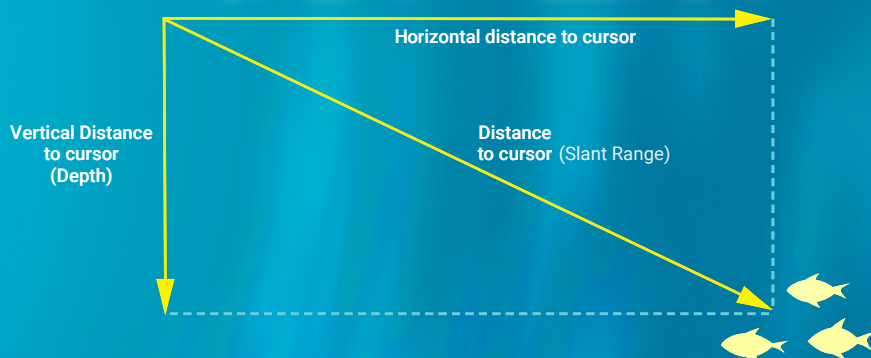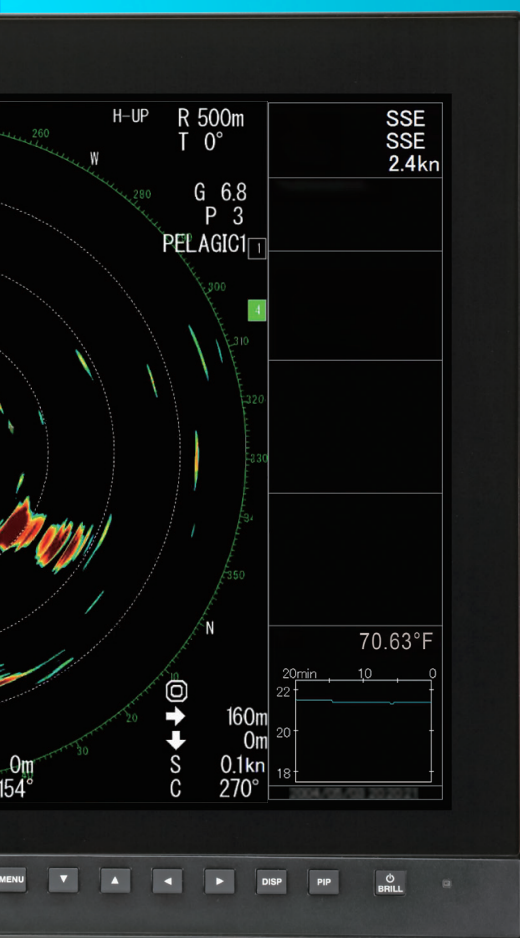
A tilt indicator has been added to easily see:

- Tilt angle

- Linear / horizontal / vertical distance to cursor

- Beam detection range

- Beam width top & bottom depth

Remotes

The new control unit is more compact than previous models, making it easy to install.

Popular function keys, tilt lever, sensitivity/range knob, and large trackball are retained, and a new RotoKey™ is now included.

With a remote control unit, you can easily set the range, tilt angle, and sensitivity from a distance. The multifunctional programmable wireless remote control can be used with up to four units via Bluetooth connection.

RotoKey

SCU002
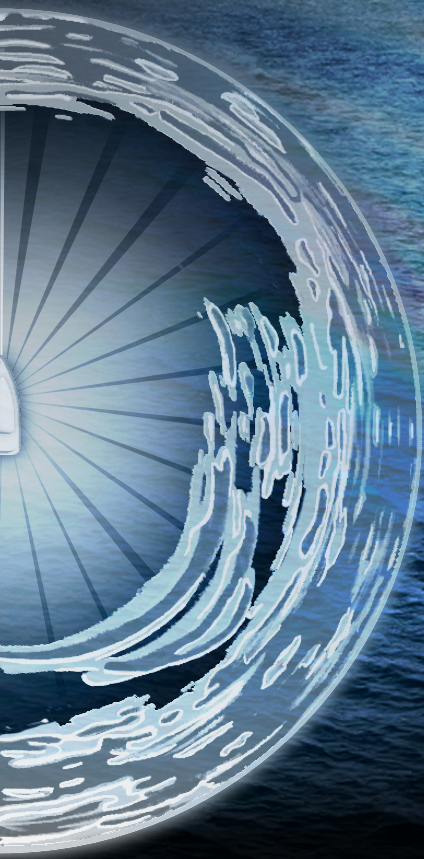Control Unit (required)

SCU003
Small Switch Box

SCU001
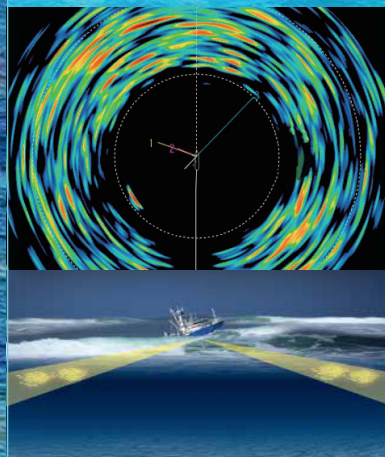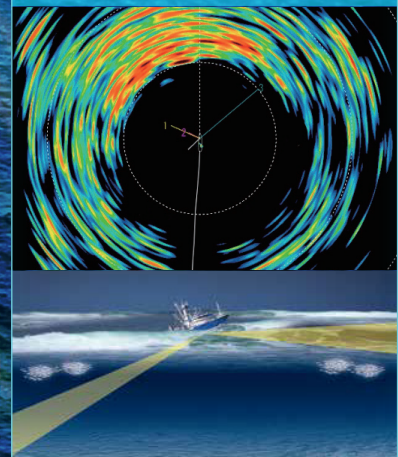Remote Control (wireless)

FSV854MK2
Remote Control (wired)
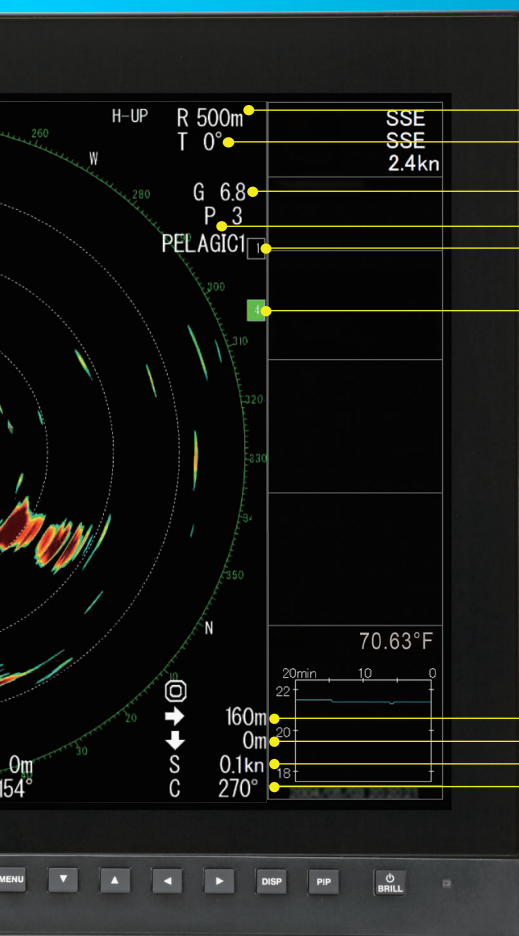
Stabilization ON

Stabilization OFF

New Beam Stabilization Function

In rough weather, the vessel's motion causes distortion in the display of target images. Furuno's unique beam stabilization technology automatically adjusts the beam to the specified angle, correcting for ship's motion in heavy seas; providing clearer images than ever. Plus it helps you identify schools of fish as well as underwater topography and structure.

Range

Tilt

Gain

Program No. and Name

Connected Remote Controllers
(green = active, black = powered off but connected)

New Target Lock Function

There are two modes for Target Lock*:

- **Position Tracking**

- **School of Fish**

When using Position Tracking mode, you can track a target reef or other area as a fixed position.

Heading data and boat speed/course data required.

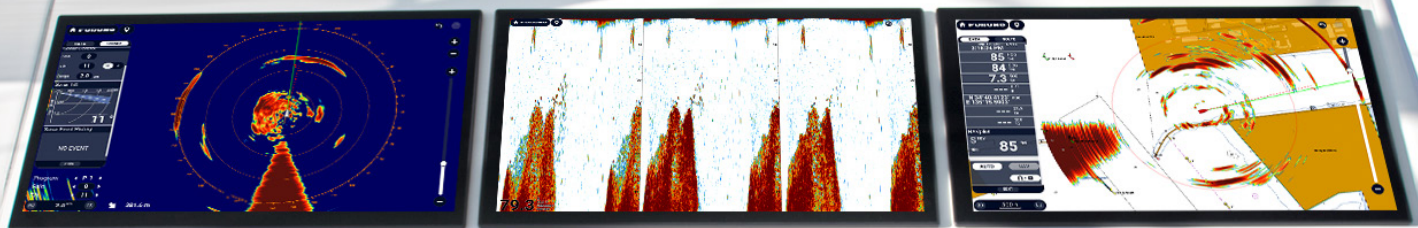**Target Lock / Fish School Movement**

Horizontal distance

Depth

Speed

Bearing

Furuno monitor (sold separately)

The Ultimate Sportfishing Helm

Total Control Directly From Your TZtouchXL MFD

Connect the CSH10 directly to your TZtouchXL MFD* to display the Sonar screen in either a full, half, or quarter display.

Take things a step further with the world's first Sonar Chart Overlay, allowing you to track game fish as they work the contour lines that you see directly on the BathyVision TZ MAPS.

Connect the CSH10 through Ethernet network to the: **TZT10X, TZT13X, TZT16X, TZT22X, TZT24X, or TZTBBX**

* Requires software version 25.11 or higher

Directly from your TZtouchXL MFD*, control:

- **Gain / Tilt / Range**
- **Sonar Event Marking and Historical Event Display**
- **Equipment Settings**

NAVnet TZtouchXL

- **Sonar Data Box**
- **Control Gain, Tilt, & Range**
- **Dynamically Adjust Sonar Tilt**
- **View Sonar Event History**
- **Sonar Range**
- **Adjust Tilt & Gain**

Control your CSH10 directly from TZtouchXL with Range Up/Down Buttons & Gain/Tilt Slider Bar.
Edge-Swipe from the left to display the Sonar Data Box to view the Sonar tilt angle & Sonar Event History.

Easily change CSH10 User Settings, Configuration Settings, and Overlay on your TZtouchXL with a simple Edge-Swipe up.
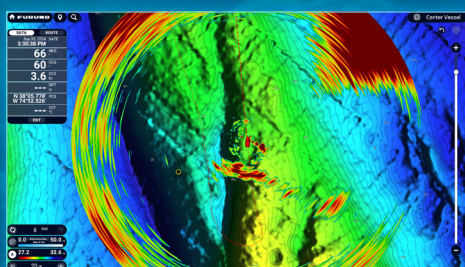
Overlay Sonar targets on top of your chart to enhance your situational awareness and track game fish as they travel along depth contours.
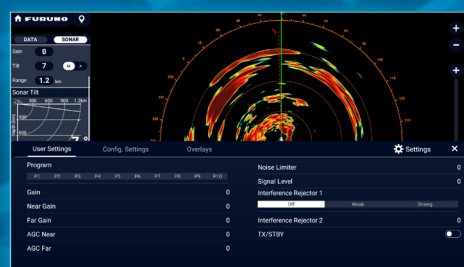
Create up to 10 custom programs for different fish species to easily adjust the Sonar for your target species.

GENERAL

Frequency	83.5 kHz Fully digital beamforming

DISPLAY

Display Mode	Single scan, Fish Finder Combination* (single and Fish Finder) *Fish Finder or Echo Sounder required
Video Signal Output	HDMI SXGA Resolution: 1280 x 1024
Colors	Scan/Echo: 32 colors, Mark: 6 color
Mark	Own ship, Bow Line, Direction/Distance, Event, Fish School, Electronic Direction Scale, Wake, Tide Scan (direction, distance), Cursor Position (distance, depth, direction), Ship Speed Event, Target Lock
Additional Features	Water Temp Interference Removal, Residual Image Processing, Noise Limiter, Color Erasure, Auto Tracking, Auto Retraction, Fish School Alarm
Range Scale	50, 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 2000 m
Pulselength	0.5 to 20ms (depending on range scale)

INTERFACE

NMEA0183	5 Ports (Version 1.5/2.0/3.0/4.0/4.1)
Video Output	2 Ports HDMI
External KP	2 Ports (one each for input and output)
Audio Output	1 Port, 10W
USB	4 Ports total (2 ea USB 2.0; 2 ea USB 3.0)
LAN	2 Ports, 10/100/1,000 Base-T
Input	CUR, DBS, DBT, DPT, GGA, GNS, HDG, HDM, HDT, MDA, MTW, RMC, VBW*, VDR, VHW, VTG, ZDA Forward/Backward/Left/Right boat speed required
Output	TLL

HULL UNIT

Transducer travel	400mm or 600mm
Raising/Lowering time	400mm: 7s, 600mm: 10s
Allowable Ship's speed	20kn MAX. (raise/lower operation up to 18 kn)
Driving system	Remote electric control

POWER SUPPLY

|	
Transmitting/ Receiving Device	24 DC, 7.2 A or less
Processor	DC 24 V, 4.0-2.0 A
Upper & Lower Device	DC 24V, 10 A or less

EQUIPMENT LIST

STANDARD
1. Processor CSH1003
2. Control Unit SCU002
3. Transceiver Unit CSH101
4. Hull Unit 400mm or 600mm travel
5. Installation Materials, Accessories and Spare Parts
NOTE: Local supply may vary; check with your supplier

OPTIONAL
1. Control Unit SCU002
2. Wired Controller Unit FSV854MK2 (Cable length 5/10m)
3. Wireless Remote Control SCU001
4. Small Switch Box SCU003
5. External Speaker SEM21Q
6. KB Mounting Bracket
7. SSD Assembly
8. AC/DC Power Supply PR241
9. Interface Unit IF2550
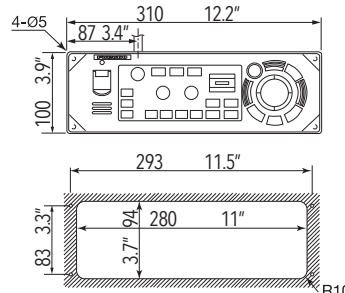
TRANSCEIVER UNIT
CSH101
37kg, 81.6lb
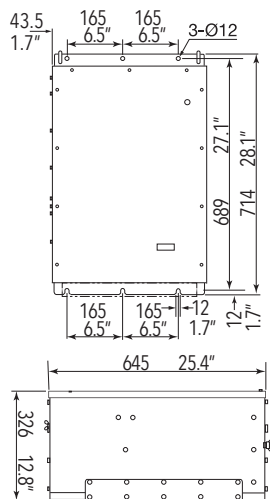
PROCESSOR UNIT
CSH1003
7.6kg, 16.8lb
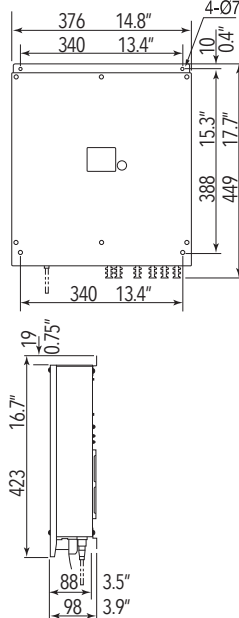
CONTROL UNIT
SCU002
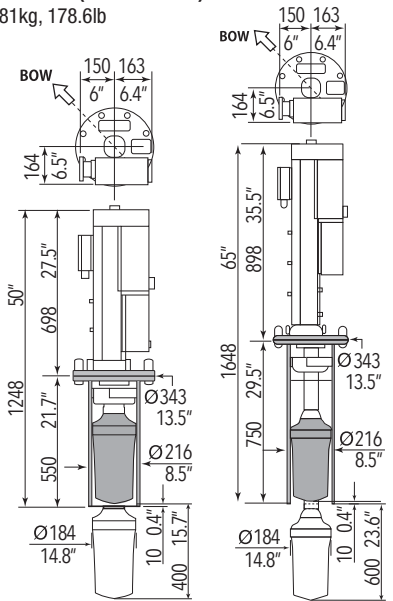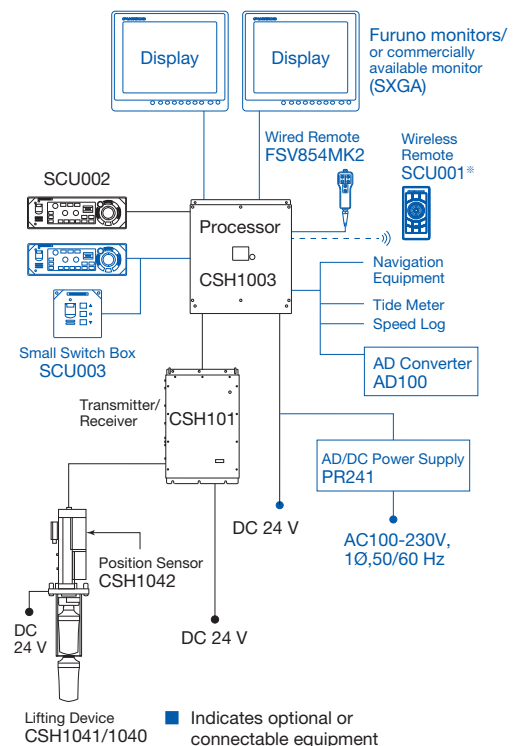5m cable 1.2kg, 2.6lb
10m cable 1.7kg, 3.7lb

HULL UNIT
CSH1041 (600mm travel)
87kg, 191.8lb
CSH1040 (400mm travel)
81kg, 178.6lb

INTERCONNECTION DIAGRAM

■ Indicates optional or connectable equipment

※ Requires pairing with the Contol Unit and Bluetooth® adapter

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Catalog No. LIT-CSH-10S