FURUNO

8.4" Color LCD FISH FINDER
Model FCV-588

Fantastic clarity and target separation with RezBoost™ technology!

NEW

RezBoost

RezBoost   BDS Bottom Discrimination Sounder   ACCU-FISH   AUTO   Enhanced Sunlight Viewable   Bonded LCD   Polarized Friendly

www.furuno.com

FCV-588 uses revolutionary new RezBoost™ resolution and improves target separation,

NEW

Fish Finder technology just took a big leap with RezBoost™!
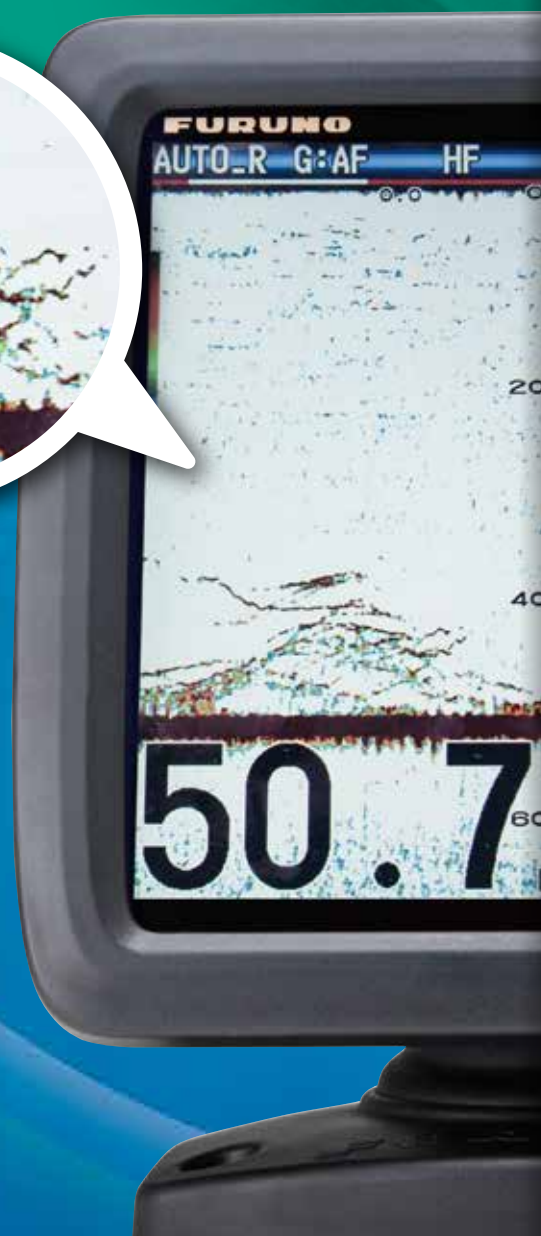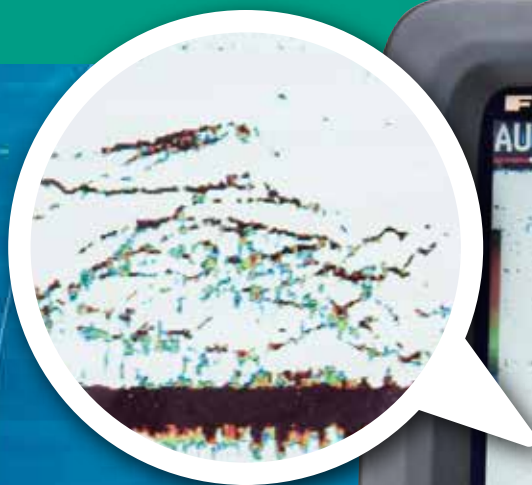
RezBoost™

RezBoost™ is a revolutionary new signal processing technology developed by FURUNO that improves resolution and target separation when using conventional narrowband transducers. Spot individual game fish surrounding bait balls, as well as fish close to the seabed. With RezBoost™, not only can you expect higher resolution and crisper visuals, but also improvements in the ACCU-FISH™ function.

With RezBoost™ the capabilities of conventional narrowband transducers can be dramatically improved. Compared to conventional signal processing techniques (FDF), a RezBoost™ fish finder produces an image that is up to 8 times[1] clearer.
A TruEcho CHIRP™ fish finder (requires a special transducer) produces an image that is up to 10 times[1] clearer when compared with FDF. What can be done with a conventional narrowband transducer, just like the one you might have installed on your vessel, is truly impressive[2].

[1] RezBoost™ performance may vary depending on depth, range and signal frequency used.
[2] The Enhanced mode of RezBoost requires a RezBoost capable thru-hull or transom mount transducer.

AUTO_R G:AF HF

50.7

8.4" Color LCD FISH FINDER

Model FCV-588

technology that increases
utilizing a compact narrowband transducer

NEW ▶ **Dual-frequency fish finder equipped with revolutionary new RezBoost™ signal processing technology**

Improved clarity and resolution that was previously impossible with conventional narrowband transducers has been made possible thanks to the new RezBoost™ technology.

▶ **ACCU-FISH™ - A unique fish size analyzer based on the latest digital technology**

▶ **Bottom Discrimination - Analyze bottom structure**

Provides an at-a-glance recognition of bottom composition with four types of graphical displays (Rocks/Sand/Gravel/Mud) when connected to a supported thru-hull or transom mount transducer.

▶ **White Line feature - Discriminate fish lying near the bottom**

The top edge of the bottom echo is displayed in white to clearly show bottom structures. This feature helps to discriminate between weeds and bottom fish distinctly.

▶ **Configurable Alarm function** (depth, fish echoes, etc.)

▶ **Share and display information on a chart plotter***

FURUNO's TLL (Target Lat/Lon) output allows you to interface the FCV-588 with your FURUNO chart plotter so that you can mark fishing grounds with various information (L/L, Depth, Water Temp, Fish size and Bottom type).
* Requires a chart plotter.

▶ **Fast transmission rate of 3,000 PRR** (Pulse Repetition Rate) **per minute** (at 5 m depth range)

technology that increases
utilizing a compact narrowband transducer

With RezBoost™ technology, the resolution is increased, leading to sharper and more defined echoes. Thanks to this increase in resolution, the accuracy of the ACCU-FISH™ function is also improved. ACCU-FISH™ is very useful when you need to determine fish size, but also has the added benefit of making fish echoes more visible when viewed from a distance. With ACCU-FISH™ you can spot individual fish echoes even from the deck on your vessel.

FISH SIZE

BOTTOM
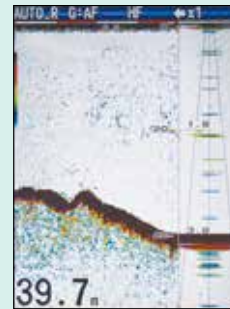
ACCU-FISH™ OFF

ACCU-FISH™ ON

ACCU-FISH™ identifies individual fish with size and fish mark function

Recognizes individual or multiple fish instantaneously

ACCU-FISH™ is a fish size assessment function of FCV-588 that is proprietary to FURUNO. In order to assess individual fish size, echo returns are evaluated based on strength and turned into fish size display on screen.
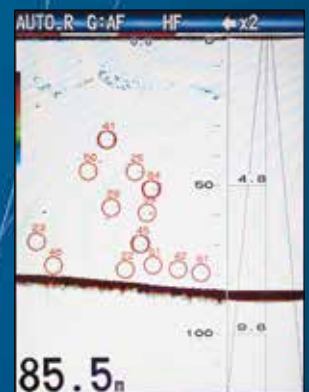ACCU-FISH™ can detect fish size from 10 to 199 cm, in depths of 2 to 100 m.

ACCU-FISH
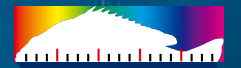
Display fish marks

The fish mark can be utilized to display individual fish echoes when they are detected. It helps beginners to identify fish echoes for a more engaging fishing experience. Fish marks are selectable from either a circle or square, as well as, two fish symbols. The fish symbols, displayed in two different sizes (Large: over 50 cm, Small: 10 to 49 cm), are a great help for anglers when identifying individual fish. The circle and square symbols identify individual fish without hiding the underlying echo.

In some instances, fish size indicated on FCV-588 may differ from actual size.
Please read the operator's manual carefully before using this feature.

Circles displayed over fish echoes along with their approximate size.

Bottom Discrimination function

FCV-588's Bottom Discrimination function enables the fish finder to indicate whether the bottom is composed mainly of rocks, gravel, sand or mud.
The Bottom Discrimination function provides you with valuable information that helps you locate rich fishing grounds, and boost your catch of the day.

Please keep the following in mind when using the Bottom Discrimination Sounder:

1) Use at a depth of 5 m - 100 m.
2) Use a transom or thru-hull mount transducer.
3) Install the transducer parallel to the bottom of the vessel.
4) To show a consistent display of the actual bottom, set the display range to "auto".
5) Enter the ship's draft value.
6) Use a ship speed of 10 kn or less.
7) In some instances, the bottom component indicated on the FCV-588 may differ from the actual bottom structure.
   Please read the operator's manual carefully before using this feature.

Rocks
Gravel
Sand
Mud
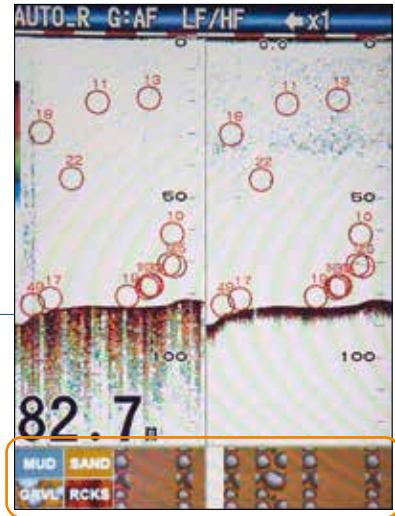
Graphic mode
The standard graphic display mode shows the most probable bottom composition by graphic or four colors.
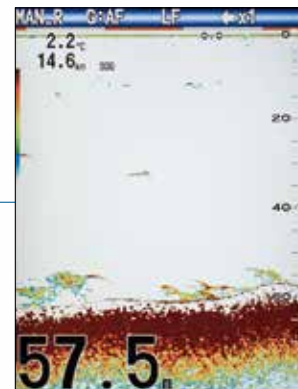

Rocks
Gravel
Sand
Mud
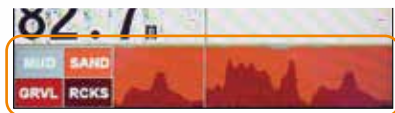
Probability mode
The probability display mode shows the most probable bottom composition in graph form.

White Line function distinguishes fish from the seabed

This function is useful for discriminating bottom fish as well as judging fish school density.

Fish Alarm function

When fish echoes appear in an area preset by the user, the FCV-588 will sound a loud alarm, as well as, display an alarm icon on screen.
The integrated alarm can also be set to be triggered by specific conditions for water depth, target depth, water temperature, bottom type and more.
You never have to miss a target again.

Swivel mounting bracket

The gimbal mount allows the display unit to swivel around when desktop mounted. You can adjust the angle of the display for optimal viewing comfort.

SPECIFICATIONS OF FCV-588

GENERAL
Frequency	50 and 200 kHz
Output Power	600 W/1 kW*
	*Matching Box MB-1100 required

DISPLAY
Display Type	8.4" color LCD
Effective Display Area	128.2 (W) x 170.9 (H) mm
Pixel Number	480 x 640 (VGA)
Display	Single frequency (50 or 200 kHz), Dual-frequency, Zoom, Nav data, A-scope, Marker zoom, Bottom zoom, Bottom-lock, Bottom Discrimination, ACCU-FISH™, RezBoost™
Basic Range	2-1200 m*
	*m, ft, fm, HR, pb can be selected in the menu
Alarm	Bottom, Fish (Normal), ACCU-FISH™, Fish (B/L), Bottom Discrimination, Fish Level, Temperature, Speed, Arrival and Battery
Language	English, French, Spanish, German, Italian, Portuguese, Greek, Polish, Danish, Swedish, Norwegian, Finnish, Chinese, Japanese, Thai, Vietnamese, Indonesian, Burmese
Range Phasing	up to 1200 m
Expansion Range	Bottom-lock expansion: 2-10 m
	Sectional expansion: 2-1200 m
Picture Advance Speed	8 steps: stop, 1/16, 1/8, 1/4, 1/2, 1, 2, 4
Pulselength & PRR	0.04 to 3.0 ms, Max 3,000 pulse/min
Interface (IEC61162-1, NMEA 0183 Ver 1.0/2.0/3.0)	
	Input: BWC, GGA, GLL, GNS, HDG, HDT, MDA, MTW, MWV, RMA, RMB, RMC, VHW, VTG, XTE, ZDA
	Output: DBS, DBT, DPT, MTW*, RMB*, VHW*, TLL* by key operation
	* External data required

ENVIRONMENT
Temperature	-15°C to +55°C
Waterproofing	IP56
POWER SUPPLY	12-24 VDC: 1.3-0.6 A

EQUIPMENT LIST
Standard
1. Display Unit — CV-588
2. Installation Materials and Standard Spare Parts
Option
1. Speed/Temperature Sensor
   ST-02MSB, ST-02PSB, T-04MSB, T-04MTB
2. Connector Kit for Connection of Temperature Sensor or Speed & Temperature Sensor
3. Matching Box MB-1100 (For 1 kW output with some transducers)
4. NMEA+Power Cable

Transducers (Specify when ordering)
600 W
520-5PSD, 520-5MSD, 520-PLD, 525-5PWD, 525T-PWD, 525T-BSD, 525T-LTD/12, 525T-LTD/20, 525STID-MSD, 525STID-PWD, SS60-SLTD/12, SS60-SLTD/20
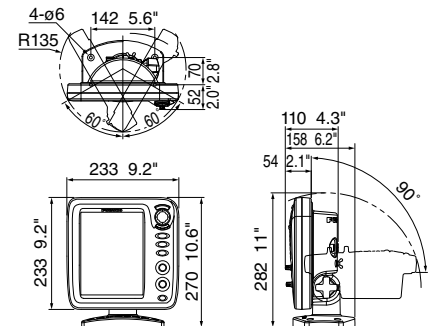**1 kW**
50/200-1T, 526TID-HDD (Does not require Matching Box MB-1100)
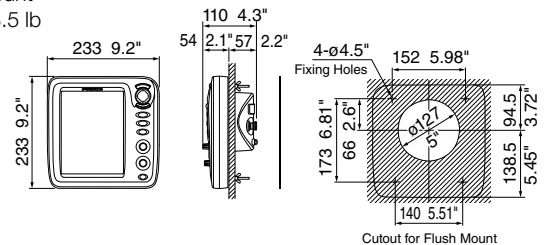
Additional transducers that do not support the Enhanced mode of RezBoost™ are also available
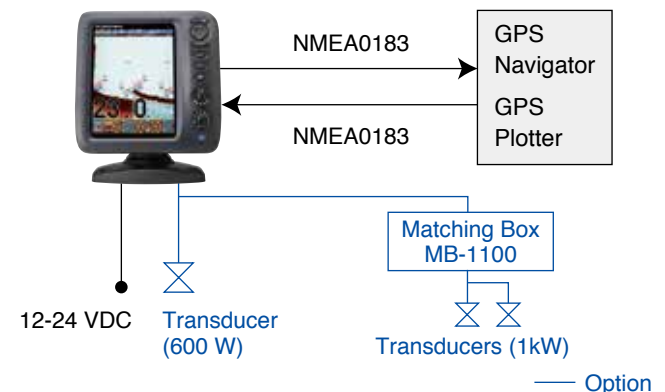
DISPLAY UNIT
Bracket Mount
2.3 kg 5.1 lb

Flush Mount
1.6 kg 3.5 lb

Cutout for Flush Mount

INTERCONNECTION DIAGRAM

NMEA0183 → GPS Navigator

NMEA0183 ← GPS Plotter

Matching Box MB-1100

12-24 VDC   Transducer (600 W)   Transducers (1kW)

— Option

Beware of similar products

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE