

**SPECIFICATIONS OF FISH FINDER
FCV-2100**

1 GENERAL

- 1.1 Transmitting frequency 100 kHz nominal
- 1.2 Output power 1 kW, FM transmission
- 1.3 Transmitting rate 800 pulse/min or less
- 1.4 Pulselength 0.04 ms

2 PROCESSOR UNIT

- 2.1 Color indication 64 colors (16 colors setting available)
- 2.2 Hue 8 steps (Standard, Hue 1 to 6, customized)
- 2.3 Echo display mode Single mode, Zoom, External sounder display
- 2.4 Zoom display Bottom-lock expansion, Bottom zoom, Marker zoom, Discrimination zoom
- 2.5 Fish size measurement Histogram
- 2.6 Depth range 10 to 800 m
- 2.7 Range shift 800 m max.
- 2.8 Expansion range 5 to 200 m
- 2.9 Display advance speed 7 steps (Lines/TX: Freeze, 1/4, 1/2, 1/1, 2/1, 4/1, 8/1)
- 2.10 Data recording Echo pictures and raw data can be recorded (The raw data recording requires external memory)
- 2.11 Language English, French, Japanese, Norwegian, Spanish

3 INTERFACE

- 3.1 Number of port (processor unit ports, external KP control port: on the transceiver unit)
 - Main monitor 1 port, DVI-D, XGA (1024x768), SXGA (1280x1024) , Full-HD (1920x1080), UXGA (1600x1200) , WUXGA (1920x1200)
 - Sub monitor 2 ports, DVI: 1 ports, RGB: 1 port (Vertical sync:70Hz), XGA only
 - NMEA 3 ports, NMEA0183 V1.5/2.0/3.0
 - LAN 1 port, Ethernet, 100Base-TX, between processor unit and transceiver unit
 - USB 3 ports, USB2.0 (type-A)
 - CIF 1 port, Furuno format for Net sonde connection
 - External KP control 1 port
- 3.2 NMEA0183 data sentences
 - Input GGA, GLL, GNS, MTW, VHW, VTG, ZDA
 - Output DBT, DBS, DPT, TLL, MTW
- 3.3 Output proprietary sentences
 - PFEC SDafl, SDbtm, SDes1, SDes2, SDesd, SDflg, SDmrk, pidat

4 POWER SUPPLY

- 4.1 Transceiver unit 24 VDC: 1.6 A
- 4.2 Processor unit 24 VDC: 2.5 A
- 4.3 Rectifier (PR-62, option) 100/110/220/230 VAC, 1 phase, 50/60Hz

5 ENVIRONMENTAL CONDITIONS

5.1 Ambient temperature

Transceiver unit -15°C to +55°C (storage: -30°C to +70°C)

Processor/ Trackball control unit -15°C to +55°C

5.2 Relative humidity 95% or less at +40°C

5.3 Degree of protection

Processor/ Transceiver unit IP22

Trackball control unit IP22 (IPX0: USB cover opened)

5.4 Vibration IEC 60945 Ed.4

6 UNIT COLOR

6.1 Processor/ Trackball control unit / Transceiver unit N2.5