KODEN

Chart Plotter
GTD-120

SAFETY-ACCURACY-RELIABILITY

Features

▶ **10.4 inch High brightness LCD**

▶ **User-friendly Operation**

▶ **Various display screen such as Bird view and dual range display**

▶ **SD card capable, save user data such as marks, tracks and settings**

▶ **Various marks and greater numbers of ship's tracks**

▶ **Useful information display in the information window on the screen**

▶ **AIS display function**

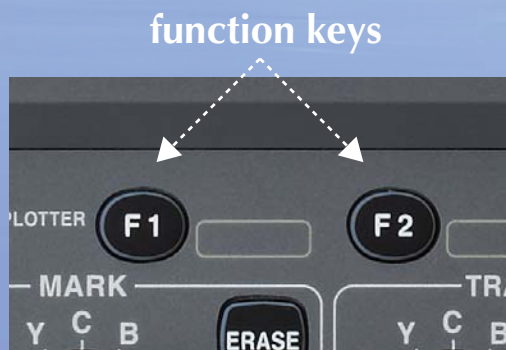▶ **C-Map MAX chart Ready (Chart: Owner supplied)**

10.4 inch color LCD **GTD-120**
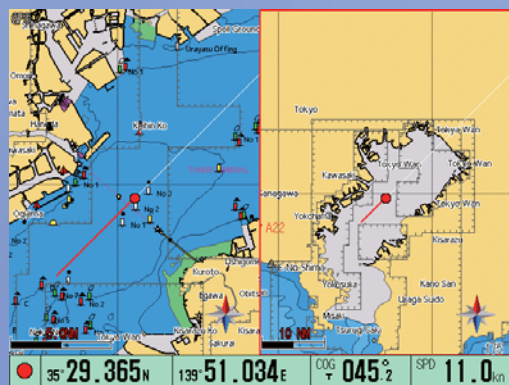
Features

High performance LCD ensures high visibility under all conditions

- Adoption of special filter (AR coat). The image is clearly displayed in sunlight, and reflection on the LCD screen is also prevented.

Save important data in your SD card

- The display unit has "memory" inside, and data of mark, own track, draw, target track, route, picture and setting can be saved in the "memory" at any time. It is recommended to save important data in this "memory" to SD card. Data can be saved and imported between the "memory" and the SD card.
- Supports SD card sizes between 2 and 8GB.

function keys

User-friendly operation

- Easy to operate by using both single function keys and knobs, you can quickly learn how to operate.
- [F1] and [F2] keys are to call registered functions with one touch.

Other ship's track display

- You can track a target when the track data is provided from a radar as other ship's track data. You can display other ship's track of up to 100 targets and set other ship's shape, color, track record number and so on.
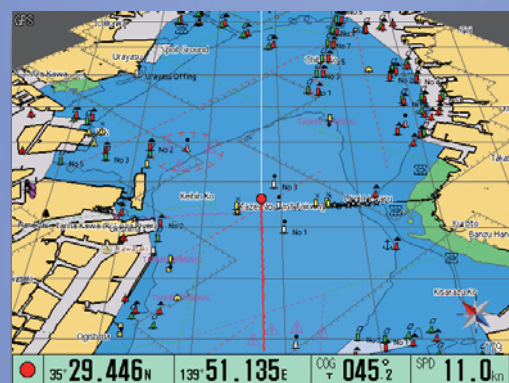

Short range display   Long range display

Dual range display

- Ability to display two different ranges on one screen.
- You can choose two different scales at the same time by setting the plotter screen side by side.

Various information windows

- You can display maximum two information windows at upper right side on the screen.
- You can choose and configure useful information from 18 types such as AIS, Remaining route and water depth / water temperature.
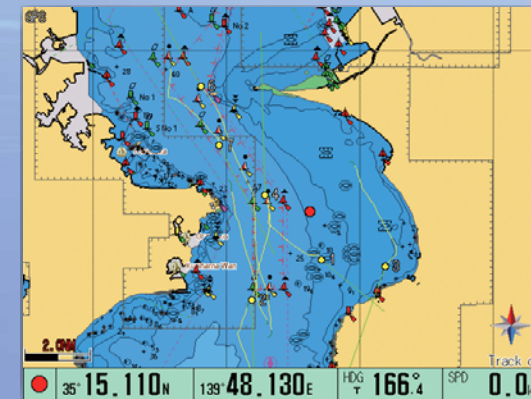

Available Bird view display

- Bird view screen is an elevated view of an object from above. It shows the direction of heading while showing the details of the position of own ship, so it is easy navigate while checking the direction of the waypoint.
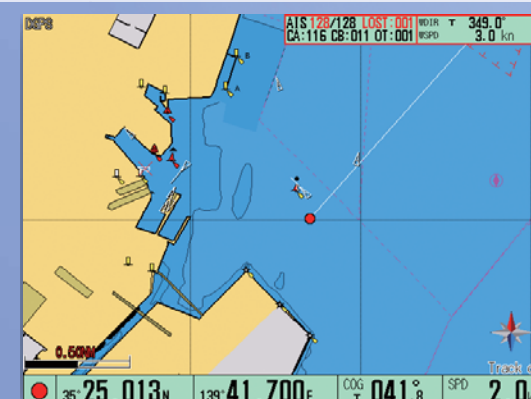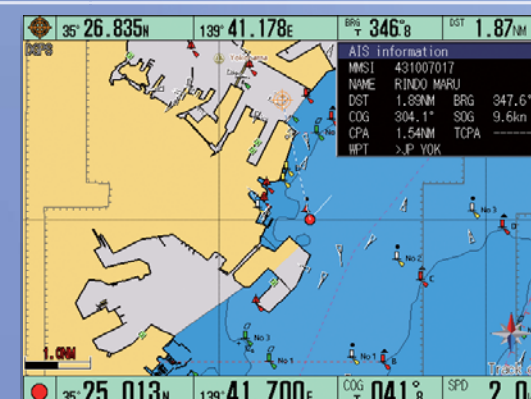

AIS display function

- By connecting to AIS receiver, AIS symbols will be displayed on the screen. Up to 128 AIS symbols can be displayed.
- Built in AIS interface board, display other ship information by connecting the AIS receiver.
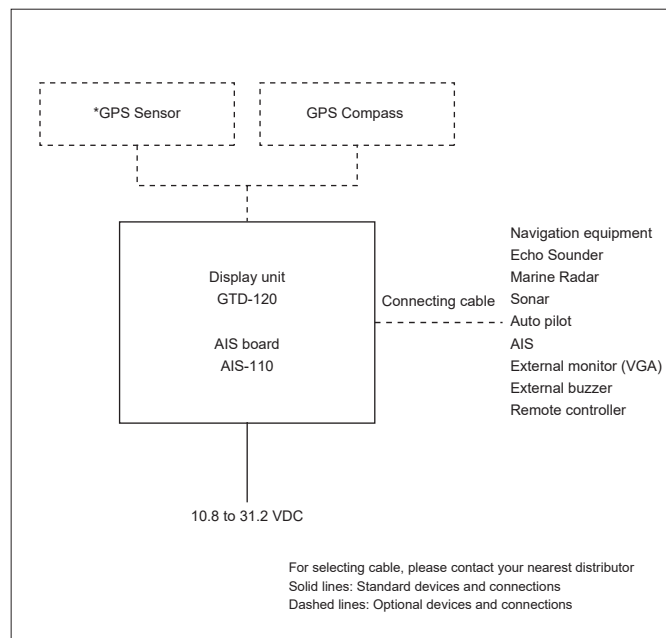
SPECIFICATIONS

Display unit	GTD-120
Display size and type	10.4 inch color TFT LCD
Map mode	Mercator projection
Presentation modes	North-up, South-up, East-up, West-up, Course-up (Waypoint), Head-up
Display resolution	480×640 (VGA)
Zooming range	0.01 to 1,000 NM (or 0.02 to 2,000 km)
Effective map creation area	Below the latitude 80 degree
Plotting interval Time	1, 2, 5, 10, 20, 30, 60, 120, 300, 600 sec
Distance	0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1.0, 2.0, 5.0, 10.0 NM / km
Number of plots	2,000 / 4,000 / 5,000 / 7,000 / 10,000 / 20,000 points (Upper limit points can be selectable from 6 types) + saved track 20,000 points × 10 blocks
Track color	7 colors
Position data display	Lat / Lon, Loran C LOP
Navigational data display	Own ship's position, Own ship's course, Own ship's speed, Waypoint position, Waypoint bearing, Waypoint distance, POB position, POB bearing, POB distance, Cursor position, Cursor bearing, Cursor distance
Position registration	15,000 points × 6 blocks + Marked line 15,000 points (All points can be registered as waypoint)
Mark color	7 colors
Mark shape	□▽◇⊙×▲☆♯▪☜🖐🗘🗗🌀🏠🏢+▷▶▷▰◢·
Drawing Nodes	500 point × 20 blocks
Color	7 colors
Alarm	Arrival, POB, Cross track error, CPA / TCPA, Area, Drawing, Ship's speed, Depth limit, Grounding
Positional correction	By cursor or by Lat / Lon or LOP data
Magnetic compass correction	Auto / Manual
Languages	English, Japanese, Korean, Spanish, Portuguese, Thai, Italian
Input data formats and sentences	NMEA0183 Ver.1.5 / 2.0 / 3.0 DBS, DBT, DPT, GGA, GLL, HDG, HDT, MSK, MTW, MWD, MWV, RMC, THS, TLL, TTM, VTG, ZDA
Output data formats and sentences	NMEA0183 Ver.2.0 GGA, GLL, GTD, HDT, VTG, ZDA, APB, BOD, BWC, RMB, RMC, WPL, XTE
NMEA ports	Total 5: input / output 4, input (GPS) 1
Data output cycle	1 sec
Power supply	10.8 to 31.2 VDC
Power consumption (24 VDC)	25W or less

Environmental

Operating temperature	-15°C to +55°C
Water Protection	IPX5

EQUIPMENT LIST

Standard equipment	Display unit	1 set
	DC power cable	1 set
	Spare parts	1 set
	Operation manual	1 set
	Quick reference	1 set
Options	*GPS sensor, GPS compass, GPS antenna support holder, Remote controller, Various connection cables, Power rectifier	

* For European model, please contact your nearest distributor.

DIMENSIONS AND WEIGHT

Display unit:
GTD-120

Unit: mm (inch)

321 ±3 (12 5/8 ±1/8)
334 ±3 (13 9/64 ±1/8)
364 ±3 (14 11/32 ±1/8)
145 ±3 (5 11/16 ±1/8)
31 (1 13/64)
321 ±3 (12 5/8 ±1/8)
150 (5 29/32)
181 ±3 (7 1/8 ±1/8)
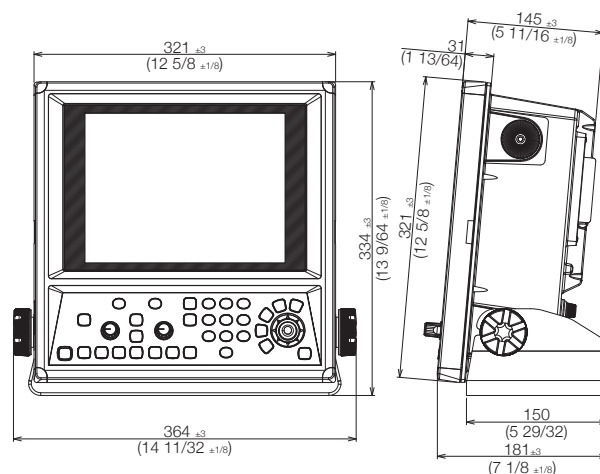
Weight：8.0 kg (17.7lb)(inclusive base)

CONNECTIONS

*GPS Sensor

GPS Compass

Display unit
GTD-120

AIS board
AIS-110

Connecting cable

Navigation equipment
Echo Sounder
Marine Radar
Sonar
Auto pilot
AIS
External monitor (VGA)
External buzzer
Remote controller

10.8 to 31.2 VDC

For selecting cable, please contact your nearest distributor
Solid lines: Standard devices and connections
Dashed lines: Optional devices and connections

* For European model, please contact your nearest distributor.

· Design and specifications are subject to change without notice.