Model NP-120MAX

Jmc

Optional Smart Antenna
M8-28 GPS/Glonass antenna

C-MAP or NAVIONICS micro-SD card can be used   Built-in GPS Antenna as standard

Featuring:

12-inch full XGA daylight-viewing (1230 nits) LED-backlit TFT color LCD

3 Screen PAGE mode are selectable: Full MAP screen, Satellite monitor screen and Engine monitor display.

Touchscreen Tap, Long tap, Pan for pinch in/out, rotate, swipe, two figure swipe, three fingers swipe control are available for full control of MAP screen and menu selection.

Digital rotary encoder is possible to easy and quickly selection of desired menu or MAP zoom

Customize function keys of F1, F2 and F3 are user defined shortcut customized by menu Setting.

Databox window customization is possible to select user favorite 6 combination databox from 31 selectable data menu, Fix position, Bearing, SOG, COG, Steering, TTG, Date and time etc.

AIS target overlay on MAP display and CPA alarm and TCPA alarm can be set to closest AIS target.

Multi Language menu selection for English, Italian, French, Spanish, Greek, Croatian, Turkish, Japanese, Simplified Chinese, Traditional Chinese, Portuguese, Norwegian, Finnish

Built-in wireless LAN facility make possible to connect Wi-Fi spot to control display screen using smart phone free application of "MIRROR CONTROL" or captaincloud.com.

Large capacity of Waypoint and Event mark for marking important point can be displayed and saved to user micro SD card memory

Engine Monitor display is available to interface engine data center for indicating Engine RPM, Water Pressure, Temperature, oil pressure, temperature, Fuel gauge etc.
Multi-Language menu selection

Card slot is used for C-MAP MAX/4D and Navionics micro SD card or user micro SD card

Model NP-120MAX

Specifications:

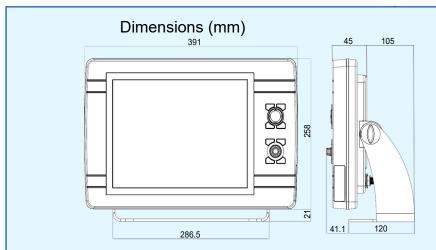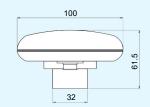|	
Display:	12" day-light viewing color LCD (1230 nits)
Display resolution:	1024x768 pixel (XGA)
GPS Receiver & Antenna:	72 CH GPS + GLONASS receiver with embedded antenna
Fix accuracy & update:	2m CEP, 10Hz update rate
Touch-screen:	Capacitive type, multi-touch available for Map zoom function
Chart format:	C-MAP cartography compatible, MAX and 4D and Navionics micro SD card
Micro SD card type:	SDHC 3.0, maximum capacity 32 GB (FAT32) for user micro SD card
Waypoint & Route	1,000 routes each having 50 Waypoints
Track point:	30,000 points
Event mark:	30,000 points
Data Interface:	NMEA2000x1, NMEA0183x2, Smart GPS antenna 6 pins port
Wireless LAN:	Built-in Wi-Fi link is available to connect network for smart phone mirror control or remote Monitor Display
Waterproof:	IPX6
Power requirement:	10-35 V DC, 32W
Weight:	3.3 kg with mounting bracket
Operating Temperature:	-10°C ~ +60°C
Storage temperature:	-20°C ~ +80°C

Note: Specifications are subject to change without notice or obligation.

Dimensions (mm)

391
45 105
258
21
286.5
41.1 120

Optional GNSS antenna

100
61.5
32

1"-14 Threads for Marine antenna pole

System Configurations & Wiring

NMEA 2000 CONNECTOR

PIN	FUNCTION
1	NO CONNECT
2	POWER +
3	POWER -
4	SIGNAL H
5	SIGNAL L

GPS CONNECTOR

PIN	FUNCTION
1	POWER OUTPUT (10-35V)
2	OUTPUT 3+
3	INPUT 3+
4	NOT CONNECT
5	NOT CONNECT
6	GND / SIGNAL RETURN

POWER & I/O CONNECTOR

PIN	WIRE COLOR	FUNCTION
1	BLACK	GND
2	RED	POWER INPUT +(10 - 35V)
3	WHITE	INPUT 1+
4	GREEN	COMMON
5	GRAY	OUTPUT 2+
6	YELLOW	OUTPUT 1+
7	BROWN	INPUT 2+
8	BLUE	EXTERNAL ALARM OUT +

NOTE: Add FUSE in series to power cable supplied 1A

FUSE 1A

+ - POWER SUPPLY

Standard Equipment

(1 pc. Each, except as specified):

NP-120 MAX Main Unit
Operation manual
Power & IO cable
Mounting Bracket
Mounting knob   2 pcs.
Panel mount template

Optional equipment
M8-28 GPS/GLONASS antenna
with 15m cable (GSG-M8)