

**xino**  
N 24°29.650  
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## Marine LCD Monitor

◆ HM-2612 ◆ HM-2615 ◆ HM-2619 V2.0

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# OPERATION MANUAL

**Version Record**

ID	Version	Updated	Update the content
1	V1.0	2018-12-25	The first version manual (simple operation version) output
2			
3			
4			
5			
6			

**Instructions:**

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**Warning:** Please read through the cautions of the manual to understand the product's cautions and other more important information.

The equipment is not used for navigating directly.

When use the device, please refer to other available navigation sources, including the information from other navigation aids and actual sea conditions, such as: official chart, visual sightings, radar, tides, hydrology, weather and so on.

**Statements:** Other products and company names involved in this manual are only for identification. Those names may be registered trademarks owned by other company. Version information is displayed in the system only and will not be described in details in this manual. "XINUO" and "XINUO TECH" mentioned in this manual all refers to "Xinuo information technology (xiamen) corporation limited".

This manual applies to the following models:

- HM-2612
- HM-2615
- HM-2619 V2.0

**Notes:**

Before turn on this unit, please be sure to read the following precautions to avoid product failure caused by improper operation:

1. Firmly installation of the device is necessary to avoid damage caused by falling down.
2. Please do not use this product without original power adapters. Otherwise, the navigator may not work properly or the performance might be affected or even the equipment will be damaged because of the circuit designs.
3. Please do not disassemble the unit by any means or no warranty will be extended.
4. When using or cleaning, be sure to avoid any liquid or other objects falling into the unit as this might cause damage or short circuit.
5. Please do not place the unit and its accessories in a damp environment or under the direct sunlight. Keep the unit in the dry environment.
6. Power supply should be grounded to avoid static and lightning. If the device is not in use, please turn off the unit.
7. When external temperature is too high, the unit may not function properly. Stop using the equipment until the temperature returns to normal and restart the equipment.
8. Avoid direct sunlight on the LCD screen. You can adjust the angle of the screen anytime to get the best visual effects.
9. When hardware failure occurs (e.g. power lines are burned, machine is damaged or foreign bodies fall into the equipment, etc.), please shut down the power and contact with the distributor immediately.
10. Virtually, all data sources might contain some inaccurate or incomplete data. The data is only for your reference and we cannot guarantee any accident, injury or proper damage. All legal responsibility and other obligation will not be taken by XINUO.

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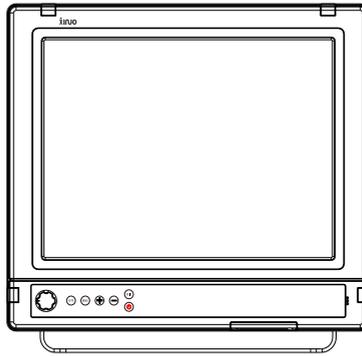
## 1 Appearance of product

HM-2612(12") is marine color LCD monitor with 1024X768 (XGA) pixels;  
HM-2615(15") is marine color LCD monitor with 1024X768 (XGA) pixels;  
HM-2619 V2.0(19") is marine color LCD monitor with 1280X1024 (SXGA) pixels;

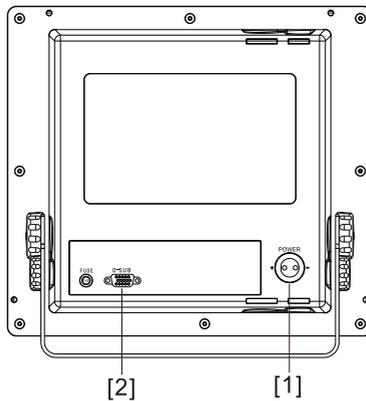
It designed for flush mounting or countertop installation, and can adjusting Angle.

The appearance of the product as follow:

### 1. HM-2612 Front Panel



### HM-2612 Rear Panel

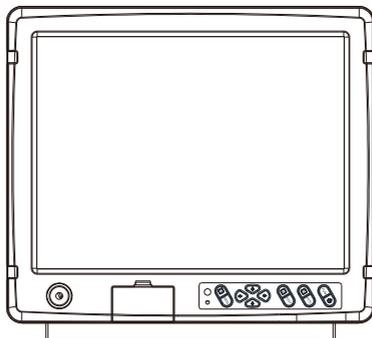


The Monitor external interface definitions as shown above:

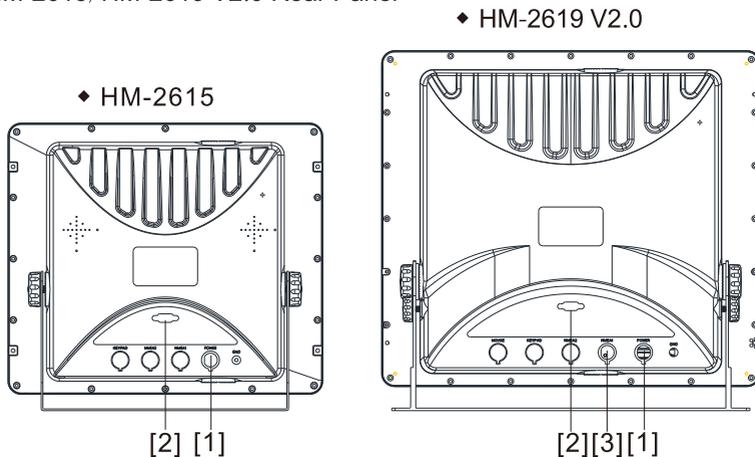
[1] POWER

[2] VGA

## 2. HM-2615/HM-2619 V2.0 Front Panel



### HM-2615/HM-2619 V2.0 Rear Panel



The Monitor external interface definitions as shown above:

[1] POWER

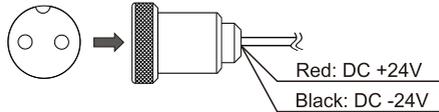
[2] VGA

[3] Auto-Sync

Auto-Sync: (only for HM-2619 V2.0)

When two devices with the same function are connected, one device adjusts the brightness, and the others will be using the same brightness display synchronously.

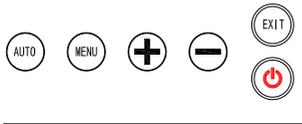
The power connector used for the connection of two core air outlet, which red one for the positive power supply input, black or blue one for the negative power supply input. Connect this two lines to the vessels 24V DC power, please pay more attention on the polarity.



**Note: The power supply input voltage range is 12V-36V, cannot to exceed this voltage range, otherwise it will damage the device.**

## 2 Keypad Functions

HM-2612



HM-2615/HM-2619 V2.0



[1] **[[AUTO]]** key: Automatically adjust to the center display; or return to the previous menu.

[2] **[[MENU]]** key: See the details behind.

a) Press **[[MENU]]** to popup the setting menu window, show as below.



b) There have 5 setting menus displayed on the top of the window, to press **[[+]]** / **[[← ↑]]** or **[[ - ]]** / **[[↓ →]]** key to choose the setting menu which you want.



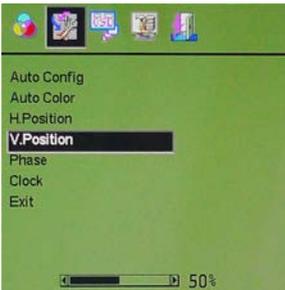
c) To press **[MENU]** again to enter the sub menu of the setting menu.



d) Press **[+]** / **[← ↑]** or **[-]** / **[↓ →]** to choose the sub menu which one you want to set.



e) Press **[MENU]** again to enter the sub menu setting, then to set the parameter of the sub menu by press **[+]** / **[← ↑]** or **[-]** / **[↓ →]** .



[3] **[+]** / **[← ↑]** key: Increase the brightness of the display or flip down the menu.

[4] **[-]** / **[↓ →]** key: Reduce the brightness of the display or flip up the menu.

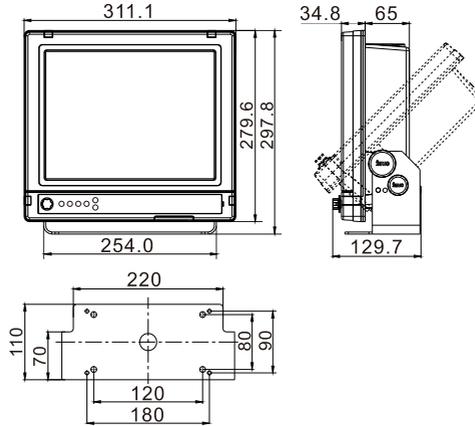
[5] **[⏻]** key: To turn ON/OFF the monitor, but the core board still working.

HM-2615/HM-2619 V2.0 **[FUN]** key: Reserved.

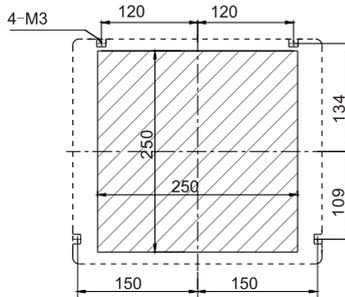
[6] **[EXIT]** key: Exit from current menu, or back to the previous menu.

### 3 Installation Overall Dimensions

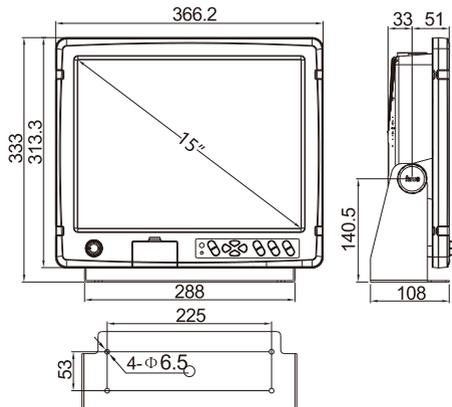
HM-2612 Counter Mounting Diagram (Unit: mm)



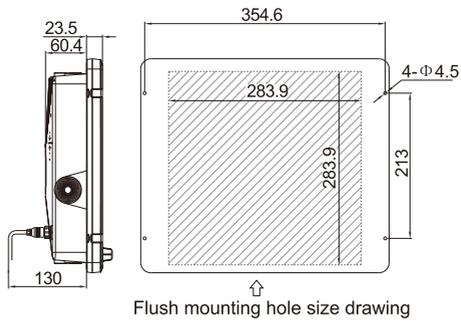
HM-2612 Flush Mounting Diagram (Unit: mm)



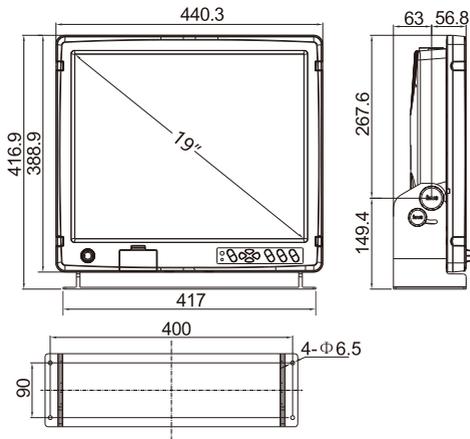
HM-2615 Counter Mounting Diagram (Unit: mm)



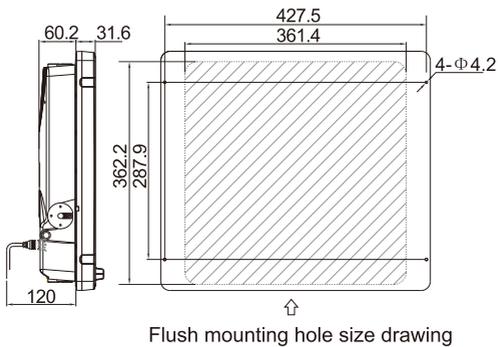
### HM-2615 Flush Mounting Diagram (Unit: mm)



### HM-2619 V 2.0 Counter Mounting Diagram (Unit: mm)



### HM-2619 V 2.0 Flush Mounting Diagram (Unit: mm)



## 4 Marine Monitor Specification

Display Unit	HM-2612	HM-2615	HM-2619 V2.0
Screen Size	12 inch (246mm×184.5mm)	15 inch (304mm×228mm)	19 inch (376mm×302mm)
Display Resolution	1024 × 768 (XGA)	1024 × 768 (XGA)	1280×1024(SXGA)
Colors	16.7M		
Screen Brightness	400cd/m <sup>2</sup>	500cd/m <sup>2</sup>	600cd/m <sup>2</sup>
Viewing Angle	Horizontal: 170 degree Vertical: 140 degree		
Contrast Ratio	800:1		
Video Input	VGA		
Operating Temperature	-15°C ~ +55°C		0°C ~ +55°C
Storage Temperature	-20°C ~ +60°C		
Power Supply	DC12V ~ 36 V		
Compatible Resolution	1024*768; 800*600; 640*480……		1280*1024; 1280*960; 1280*800; 1280*768; 1280*720; 1280*600; 1152*864; 1024*768; 800*600
Menu language	English, simplified Chinese, German, Italian, French, Spanish, Portuguese, Korean		
Standards	IEC 60950-1:2006 ETSI EN 301 489-3 V1.4.1:2002 EMC related items IEC 60529:2006 EMC related items ETSI EN 300 440-2 V1.4.1:2010 Spurious related items ETSI EN 300 440-1 V1.6.1:2010 Spurious related items		

## 5 Packing list

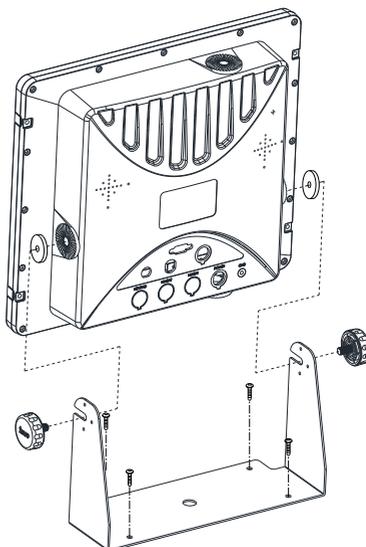
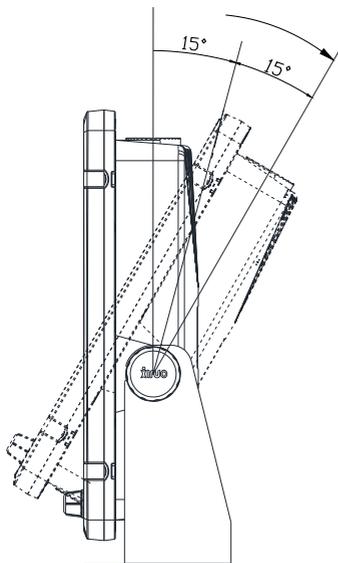
Before installing please check whether your package included the following items.

Standard Package:

- ① Main Unit x 1set
- ② Mounting Bracket x 1set
- ③ Mounting Bracket Screw (L) with 2pcs of rubber ring x 2 sets  
(HM-2615 & HM-2619 V2.0 )
- ④ Mounting Bracket Screw (S) with 2pcs of rubber ring x 2 sets (HM-2612)
- ⑤ VGA Cable x 1 pcs
- ⑥ PWR Cable x 1 pcs
- ⑦ Wood Screw x 4 pcs
- ⑧ User's Manual x 1 pcs

## 6 Bracket Mounting Instruction

Please refer the following picture show to install the bracket:





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