

# 12.1" Marine Bridge System Display

Model # R12L100-MRM4HB

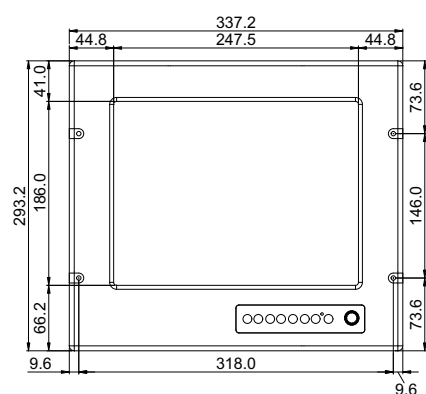
## Features:



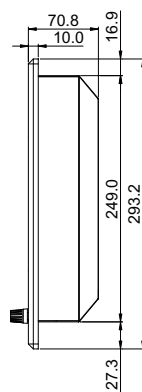
- Hyper Dimming : Dimming knob control backlight brightness from nearly 0% to 100%
- High Brightness LCD Panel : High brightness TFT-LCD panel enhance the best visibility
- Ruggedized IP65 Proof : Panel (flush) mount with IP65 aluminum housing design (IP54 rear)
- Wide Voltage Range Input : 8 to 36VDC to DC power input acceptable (AC power for option)
- Touchscreen/ Protection Glass : High quality touchscreen/ AR protection glass for option
- Multiscan Function : PIP (picture in picture) function and multi-video inputs
- IP65 OSD Front Panel Design : Ease of use front panel OSD control
- Anti-Shock and Vibration : Enhanced shock and vibration resistance



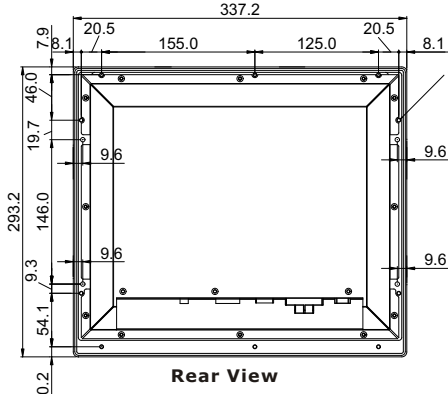
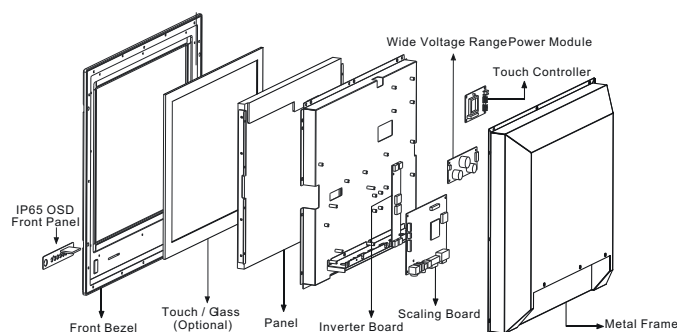
## Mechanical Design Drawings



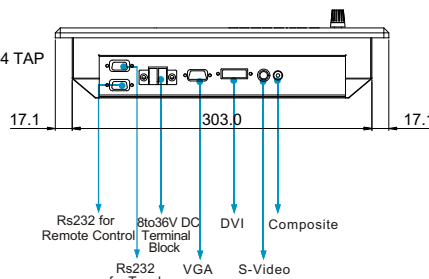
Front View



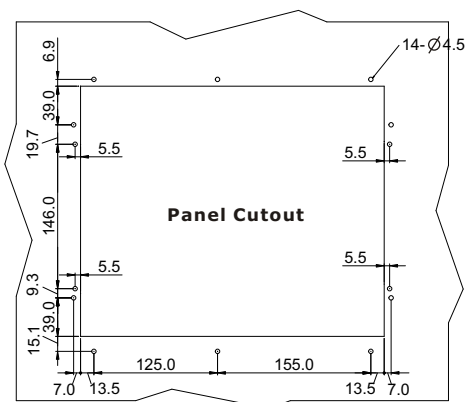
Side View



Rear View



Bottom View



Panel Cutout

All Dimensions are  $\pm 0.5$  mm

## TFT Characteristics:

|                     |                                 |
|---------------------|---------------------------------|
| Pixel Number        | : 1024 x 768                    |
| Pixel Pitch (RGB)   | : 0.240 (H) x 0.240 (V) mm      |
| Contrast Ratio      | : 700:1 (typ.)                  |
| Light Intensity     | : 1000 cd/m <sup>2</sup> (typ.) |
| Viewable Angles     | : -60~60(H); -75~45(V)          |
| Active Display Area | : 245.76 (H) x 184.32 (V) mm    |
| Max Colors          | : 16.7M (8bit/colors)           |

## Input Signals:

|                              |                                |
|------------------------------|--------------------------------|
| RGB Signal                   | : D-SUB 15P connector (female) |
| Composite Video              | : RCA phono plug               |
| S-Video Signal               | : S-Video (SVHS) plug          |
| DVI-D Signal                 | : DVI-D input 24pin connector  |
| DC Power Signal              | : Screw terminal block         |
| AC Power Signal (Optional)   | : Std IEC Inlet                |
| Touch Screen (Optional)      | : D-SUB 9P connector (female)  |
| Remote via RS-232 (Optional) | : D-SUB 9P connector (female)  |

## User Controls:

Power On/Off via front button  
VR Brightness Knob Control  
Power Mode Status LED  
On Screen Display control (OSD)  
OSD Remote Control via RS-232

## Power Specifications:

Power Supply Options : 8 to 36 V DC to DC power supply with terminal block  
90 to 265 V AC (optional)  
Power Consumption : 54 W typical, normal operation

## Environmental Considerations:

Operating Temperature : -10 to 55 deg.C (-20 to 60 deg.C for optional heating)  
Operating Humidity : 5% to 95% (non condensing)  
Anti-Vibration : 5Hz~500Hz / 1Grms/3 Axis  
Anti-Shock : 15G, 11ms duration

## Available Options:

Mechanical Options : Panel (Flush) mount with IP65\*  
Touch Screen Options : SAW, 5 Wire Resistive  
AR Safety Glass Option : 3mm Anti-reflective protection glass  
\* SAW touch for IP54