12.1" Marine Bridge System Display

Model # R12L600-MRM2

Dimming | PIP | IP66 Proof | OSD Front Panel | AR Safety Glass | Anti-Corrosion | TouchScreen | Wide Voltage Input
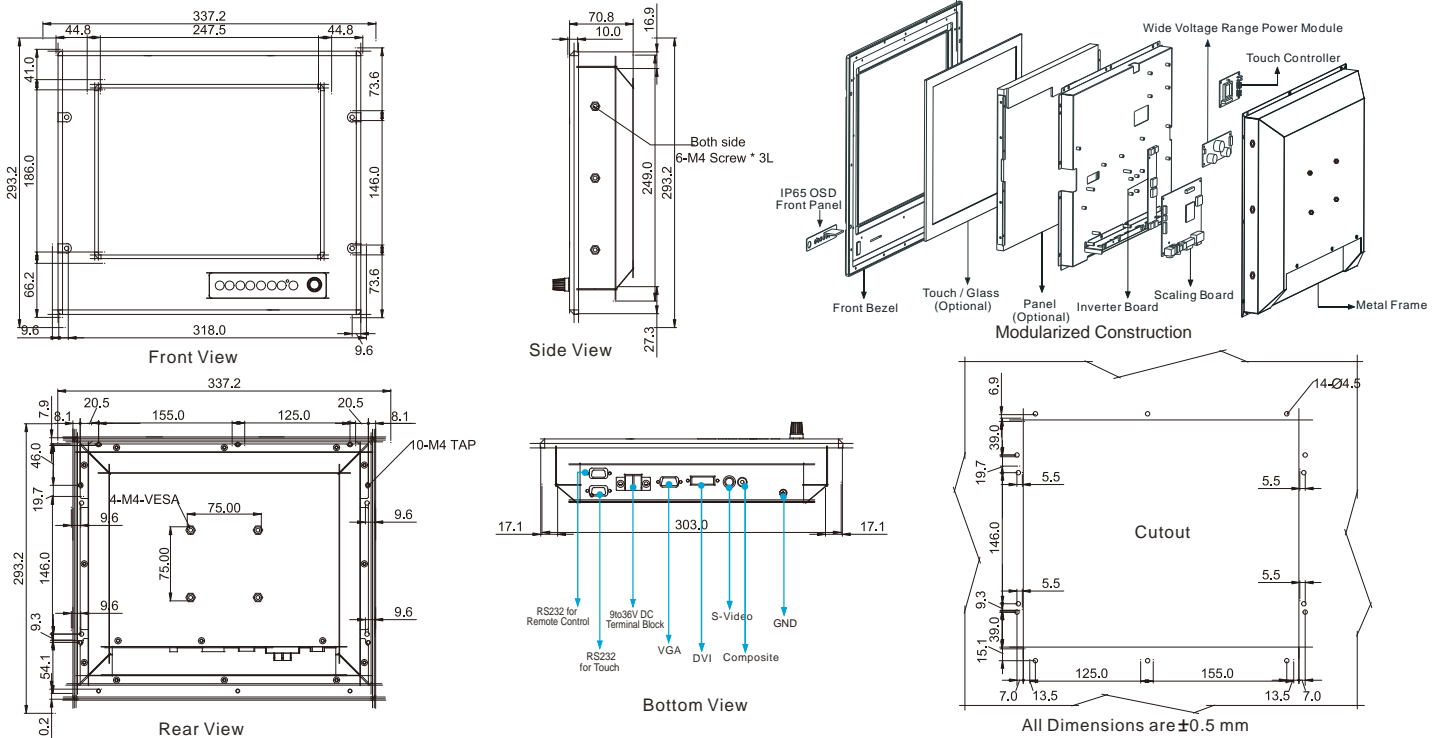
Features:

- **Hyper Dimming** : Dimming knob control backlight brightness from nearly 0% to 100%
- **High Quality Panel** : High resolution 1024 x 768 panel
- **Anti-Corrosion & IP Proof** : IP66 aluminum housing with powder coating design (IP54 rear)
- **Wide Voltage Range Input** : 9 to 36V DC to DC power input acceptable
- **Touchscreen/ Protection Glass** : High quality touchscreen / AR protection glass for option
- **Multiscan Function** : PIP(picture in picture) function and multi-video inputs
- **IP65 OSD Fornt Panel Design** : Ease of use front panel OSD control
- **Anti-Shock and Vibration** : Enhanced shock and vibration resistance

Mechanical Design Drawing

Front View — 337.2, 44.8, 247.5, 44.8, 41.0, 73.6, 293.2, 186.0, 146.0, 66.2, 73.6, 9.6, 318.0, 9.6

Side View — 70.8, 10.0, 16.9, 249.0, 293.2, 27.3, Both side 6-M4 Screw * 3L

Modularized Construction — Wide Voltage Range Power Module, Touch Controller, IP65 OSD Front Panel, Front Bezel, Touch / Glass (Optional), Panel (Optional), Inverter Board, Scaling Board, Metal Frame

Rear View — 337.2, 7.9, 20.5, 155.0, 125.0, 20.5, 8.1, 46.0, 19.7, 9.6, 4-M4-VESA, 75.00, 75.00, 9.6, 10-M4 TAP, 9.6, 293.2, 146.0, 9.6, 9.6, 9.3, 54.1, 10.2

Bottom View — 17.1, 303.0, 17.1, RS232 for Remote Control, 9to36V DC Terminal Block, S-Video, GND, RS232 for Touch, VGA, DVI, Composite

Cutout — 6.9, 14-Ø4.5, 39.0, 19.7, 5.5, 5.5, 146.0, 5.5, 5.5, 9.3, 39.0, 15.1, 125.0, 155.0, 7.0, 13.5, 13.5, 7.0

All Dimensions are ±0.5 mm

* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

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	:	500 cd/m^2 (typ.)
Viewable Angles	:	160(H);140(V)
Active Display Area	:	246.8 (H) x 185.4(V) mm
Max Colors	:	262,144 (6bit/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	:	9 to 36 V DC power supply with Terminal block (Default)
Power Consumption	:	32 W typical, normal operation

Mechanical and Environmental:

Mechanical Mounting	:	Panel (Flush) mount with IP66*, VESA, Bracket mounting
Operating Temperature	:	-15 to 55 deg.C
Operating Humidity	:	5% to 95% (non condensing)
Anti-Vibration	:	5Hz~500Hz / 1Grms/3 Axis
Anti-Shock	:	15G, 11ms duraiton
* SAW touch for IP54		

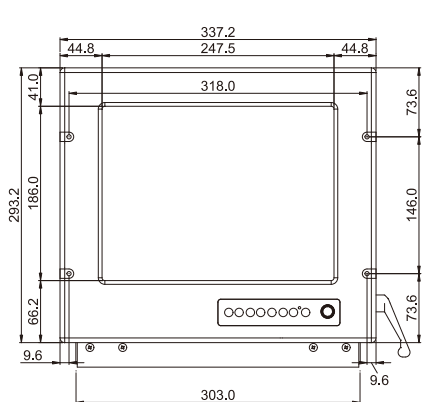### Available Options:

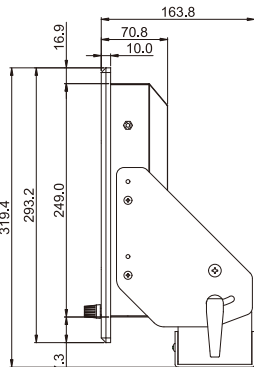|		
Touch Screen Options	:	SAW, 5 Wire Resistive
AR Safety Glass Options	:	3mm Anti-reflective protection glass
Bracket Mounting Options	:	Yes (One robust bracket can adjust from -10 to 30 deg.)

Certification and Approvals : CE,FCC,IEC60945,DNV2.4,IACS-E10

CE FCC RoHS COMPLIANT 2011/65/EU

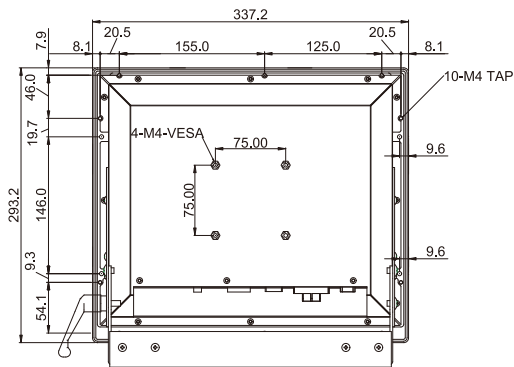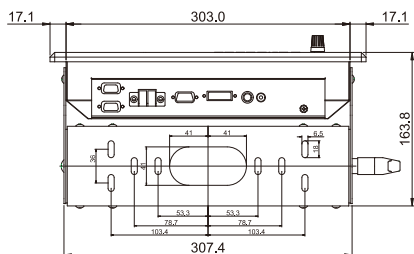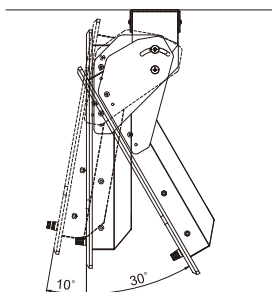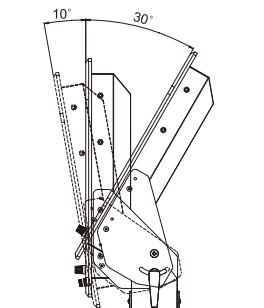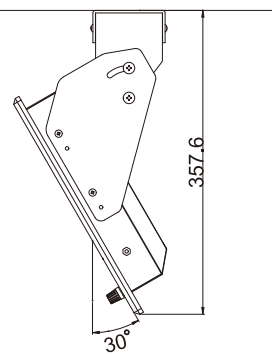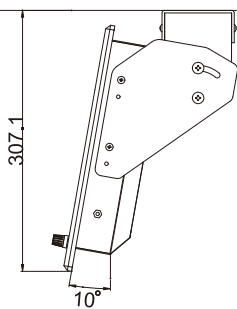## Mechanical Design with Robust Bracket (option
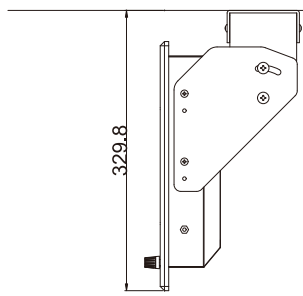
FRONT VIEW

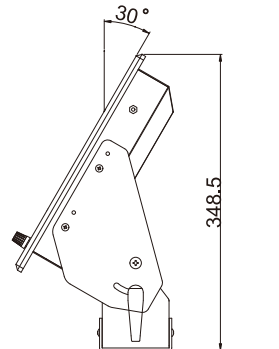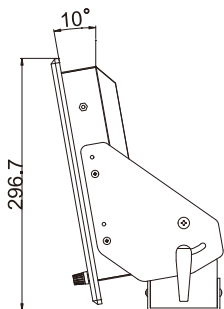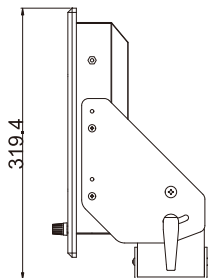SIDE VIEW

BACK VIEW

BOTTOM VIEW

ROOF MOUNT

STAND ANGLE

ROOF MOUNT

STAND ANGLE

All Dimensions are ±0.5 mm

* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

* Extra charge is required for back covers with bracket holes for products purchased before end of Nov. 08'

Certification and Approvals : CE,FCC,IEC60945,DNV2.4,IACS-E10

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