10.4" Marine Bridge System Display

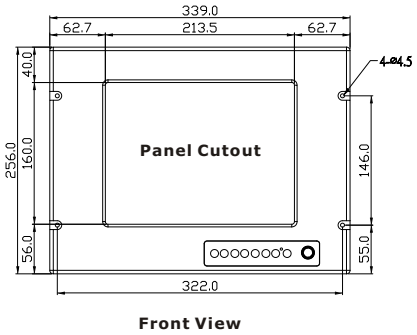
Model # R10L100-MRM2

Features:

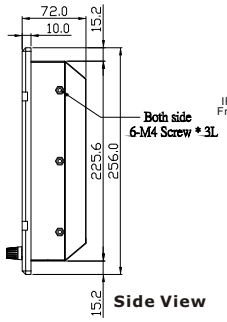
- Hyper Dimming : Dimming knob control backlight brightness from nearly 0% to 100%
- Sunlight Readable : Transflective film technology enhance visibility
- Anti-Corrosion & IP Proof : IP65 aluminum housing with powder coating design (IP54 rear)
- Wide Voltage Range Input : 24V DC to DC power input acceptable (Isolation Resistance)
- 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

Type Approved Product

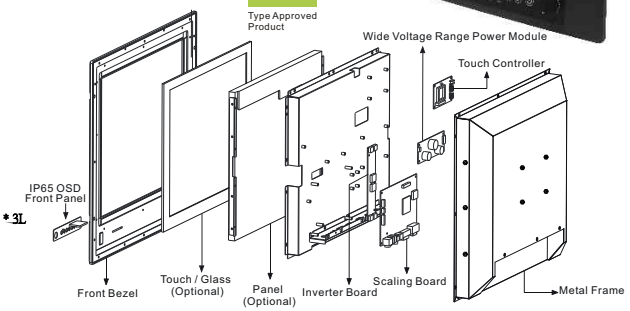
Mechanical Design Drawings



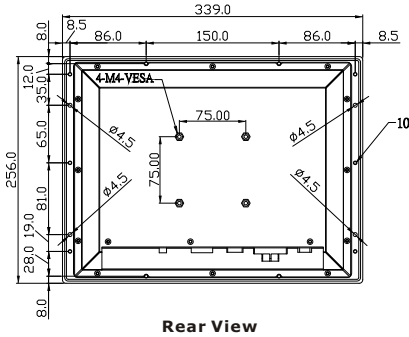
Front View



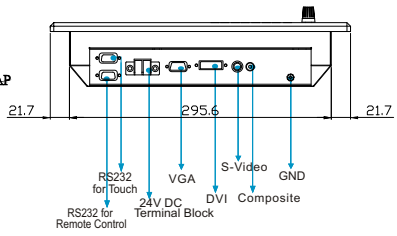
Side View



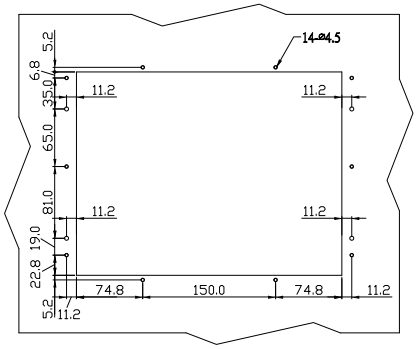
Modularized Construction



Rear View



Bottom View



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	:	800 x 600
Pixel Pitch(RGB)	:	0.264(H) x 0.264(V)
Contrast Ratio	:	500 : 1(typ.)
Light Intensity	:	400 cd/m² (typ.)
Viewable Angles	:	-70~70(H);-60~50(V)
Active Display Area	:	211.2(H) x 158.4(V) mm
Max Colors	:	16.7M (8bit/colors)

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	:	24 V DC power supply with Terminal block (Default, Isolation Resistance),90 to 265V AC power supply
Power Consumption	:	21 W typical, normal operation

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)

Mechanical and Environmental:

Mechanical Mounting	:	Panel (Flush) mount with IP65*, VESA, Bracket mounting
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 duraiton

* SAW touch for IP54

Available Options:

Touch Screen Options	:	SAW, 5 Wire Resistive
AR Safety Glass Options	:	3mm Anti-reflective protection glass
Transflective Options	:	Yes (Enhance Visibility)
AC power Options	:	Yes (90 to 265 V AC power input)
Bracket Mounting Options	:	Yes (One robust bracket can adjust from -10 to 30 deg.)

Certification and Approvals : IEC 60945, DVN 2.4, IACS-E10
DNV Type Approval, CE, FCC

Note: All Specifications are subject to change without prior notice!

Revised Date : 02/16/2011

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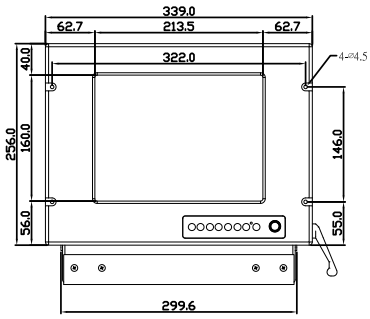
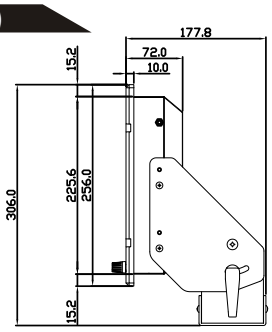
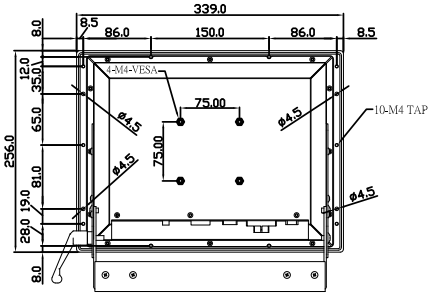
Mechanical Design with Robust Bracket (options)

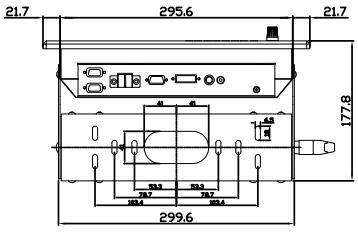




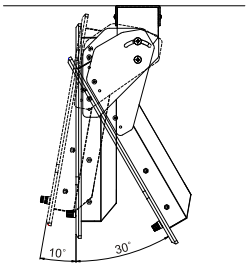
SIDE VIEW



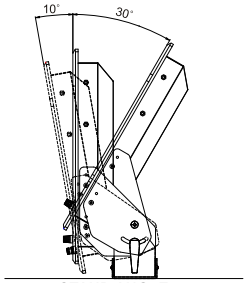
BACK VIEW



BOTTOM VIEW

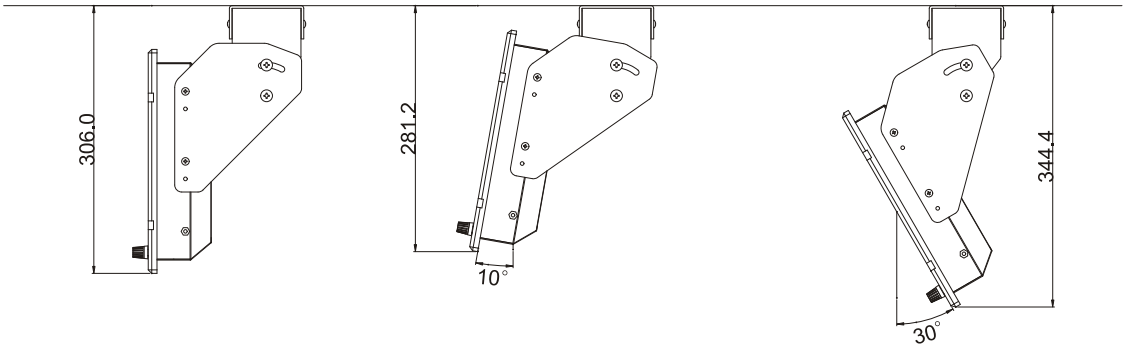


ROOF MOUNT

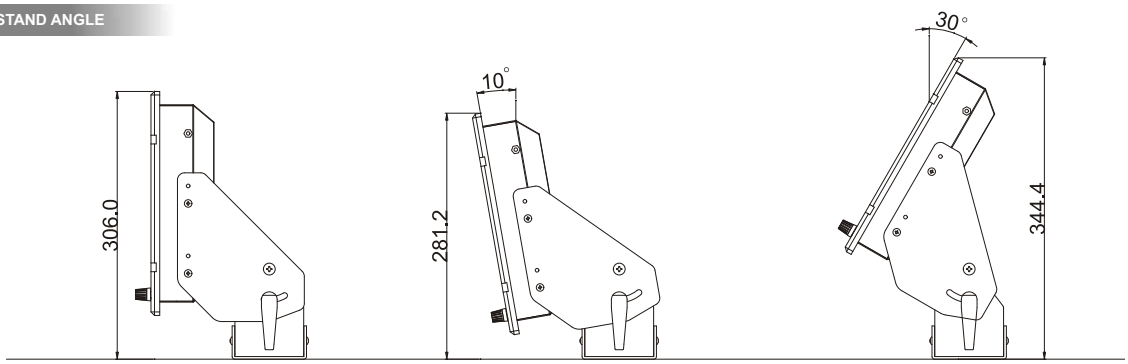


STAND ANGLE

ROOF MOUNT



STAND ANGLE



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Certification and Approvals : IEC 60945, DVN 2.4, IACS-E10
DNV Type Approval, CE, FCC

Rev.	Reasons	Revised Date
1.0	Add holes for brackets on back cover*	Nov-17-08
1.1	Spec change	Feb-16-11

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

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Revised Date : 02/16/2011

Assured Systems

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