

1000nits

Marine Bridge System Front IP65 Panel Mount Display High brightness

EMA Series

15" LCD monitor, 1024x768, LED-1000nits, HDMI, VGA, BNC-in x 2, BNC-looping x 2, (PIP), Wide Viewing(170°/170° MVA), Wide Temperature(-15~65°C), DC 9-36V Input and Front OSD control Brightness 0~100%, OSD Remote Control via RS-232, including rear screw/Clamp/VESA Mount with 5 Wire Resistive Touch Screen and USB Controller

Model: EMA1500-TR



with Touchscreen

With PIP, IP65 [Front], Wide Temp., Dimming, OSD Front Panel, Wide Voltage Input and High Brightness

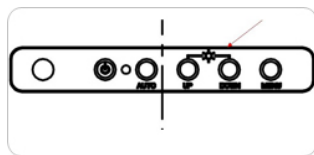


FEATURES:

- Membrane "+" & "-" Front OSD Direct control backlight brightness from nearly 0% to 100%
- High brightness/Sunlight Readable LED 100nits panel
- With PIP, IP65 [Front], Wide Temp., Dimming, OSD Front Panel, Wide Voltage Input and High Brightness
- 9 to 36V DC power input
- Panel (flush) mount IP65 aluminum 6mm Bezel with powder coating design (IP54 rear)
- RS232 remote monitoring
- Optional of Resistive/Capacitive/SAW/PCT touchscreen
- Optional of 3mm/6mm (Safety) AR protection glass
- Optional M12 Plastic Water proof connectors
- Optional with Bracket stand
- Optional for 90-260V AC input

HIGHLIGHTS FEATURES:

Membrane "+" & "-" Front OSD Direct control backlight brightness from nearly 0% to 100%



9 to 36V DC power input



Optional M12 Plastic Water proof connectors



## SPECIFICATIONS:

|                            |   |   |   |
|----------------------------|---|---|---|
| <b>Panel</b>               | Cell Type / Glass   | TFT LCD / Black Anti-Glare, low reflection coating          |   |
|                            | Aspect Ratio / Size   | 4 : 3 / 15" viewable diagonal area                          |   |
|                            | Active Area / Pixel   | 304.13(H) x 228.10(V) mm / 0.297(H) x 0.297(V) mm           |   |
|                            | Native Resolution /   | 1024(H) x 768(V) / 16.2 Million                             |   |
|                            | Brightness / Contrast   | 1000 cd/m <sup>2</sup> (typ) / 450 : 1                      |   |
|                            | Response Time   | ≤ 35 ms   |   |
|                            | Viewing Angle (typical)   | H. 140o (- 70o ~ + 70o) , V. 120o(- 60o ~ + 60o)            |   |
|                            | Light Source  | LED backlight, Long life, 35,000 hrs (typ)                  |   |
| <b>Input Sources</b>       | PC System   | Signal  | Analog RGB (0.7/1.0 V <sub>p-p</sub> , 75 ohms)         |
|                            |   | Sync  | Separate Sync, Composite Sync, Sync On                  |
|                            |   | Frequency   | F <sub>h</sub> : 30 - 82KHz , F <sub>v</sub> : 50 -75Hz |
|                            | Audio System  | 2W speaker x 2  |   |
| <b>Input Terminals</b>     | 1 x VGA (15 Pin Female D-Sub) , 1 x PC Audio (Stereo Headphone Jack) , 1 x DC Power |   |   |
| <b>Convenient Features</b> | Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B)          |   |   |
|                            | OSD Multi-Languages , Wall Mount Ready (VESA 75 x 75 mm)                            |   |   |
| <b>Power</b>               | 9~36VDC wide voltage input (Isolated DC-DC voltage regulator built-in)              |   |   |
| <b>Power Consumption</b>   | Operation / Power   | 20 watt , < 2 watt (Support DPMS)                           |   |
| <b>Operating Condition</b> | Temperature / Humidity  | 0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)     |   |
| <b>Storage Condition</b>   | Temperature / Humidity  | - 20°C ~ 60°C (- 4°F ~ 140°F) , 10% ~ 90% (no condensation) |   |
| <b>Certification</b>       |   | FCC , CE  |   |
| <b>Dimensions</b>          | Physical  | W x H x D = 410 x 355 x 64 mm                               |   |
|                            | Carton  | W x H x D = TBD   |   |
| <b>Weight</b>              | N.W. / G.W.   | 4 Kgs / 5 Kgs   |   |
| <b>Container Loaded</b>    | 20ft / 40ft / 40ft HQ   | TBD (Sets , By  |   |

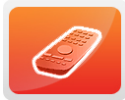
| Options | Touch            | Video / TV   | Enhanced Panel        | Others                     |
|---------|------------------|--------------|-----------------------|----------------------------|
|         | Resistive touch  | SV + AV      | Panel with LED        | Digital Signage(Stand      |
|         | Capacitive touch | SV + AV + AV | High brightness panel | Networking Digital Signage |
|         | SAW touch        | SV + AV + TV | Wide Temperature      | Motion Sensor              |
|         | Infrared touch   |              | Sunlight Readable     | Light Sensor               |
|         | Protected glass  |              |                       | Auto-Dimming               |

## LCD OPTIONS



### Optical Bonding Options

- Optical Bonding provides the best reduction of ambient light washout of any commercially available enhancement technology.
- Optical Bonding has a lower cost than most other competing technologies.
- Optical Bonding offers superior ruggedization, enhancing the display durability under vibration, shock and other environmental extremes.



### RS-232 Remote Control Options

**Remote Control Protocol: Command Code to set system**



### 9-36V DC Input Options

iTech offers a selection of DC input from 9V to 36V



### Light Sensor and Motion Sensor Options

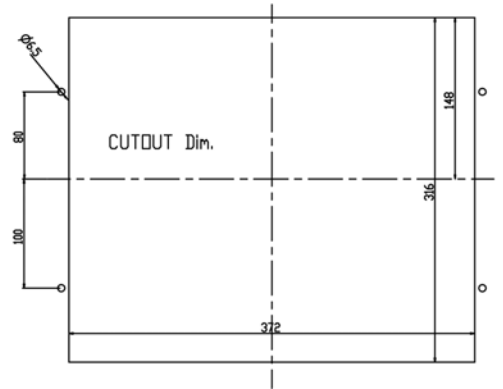
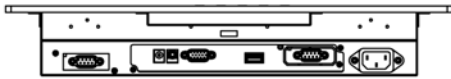
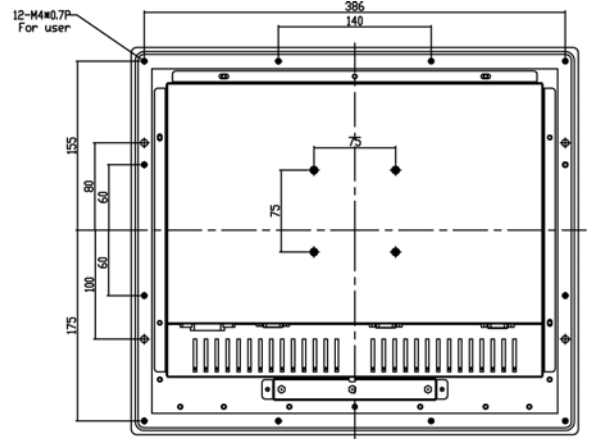
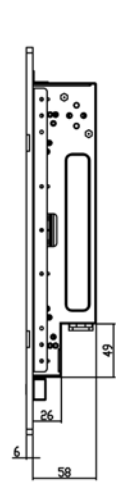
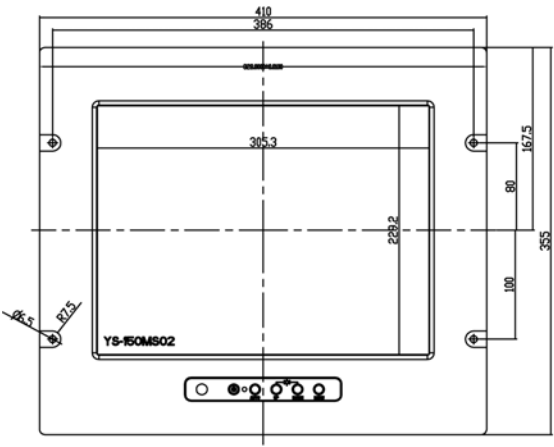
iTech LCD offers Light and Motion Sensor

### Privacy Filter

Front Glass Options:

- Anti Reflective AR Glass 3mm
- Anti Reflective AR Glass 6mm Vandal-Resistance
- Anti Reflective AR Glass 8mm Vandal-Resistance
- Anti Glare AG Glass 3mm

**MECHANICAL DRAWING:**



**Option With Stand**

