

# Military Grade Rugged IP66 Rack Mount Display



IP66 Military Grade Rugged Rack Mount, 17" LCD monitor, 1280x1024, LED-1000 nits, VGA HDMI DVI, AC-IN w/ Built-in Power, Comply MIL-STD-810G Vibration and shock, Power comply MIL-STD-1275D. (Model: EMR1700HB)

## Features:

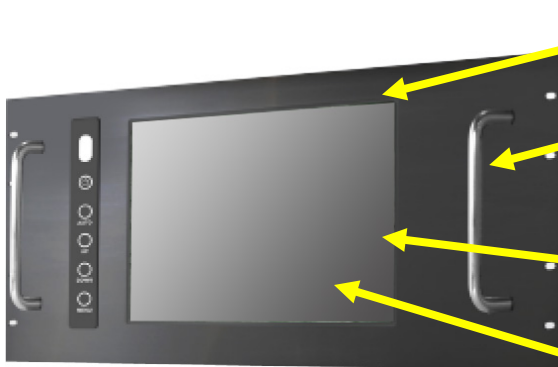
- Modular mechanism design provides flexible product configuration and easy maintenance.
- Optional to built-in touch screen for interactive application.
- Available with auto-brightness sensor offers application in day and night.
- VGA connector with optional AV,SV,AV-Looping
- Complete custom design/solution for OEM customers
- Optional: MIL connector / M12 connector / Plastic IP66 water resistance connector

## OPTION MIL

- Environmental: MIL-STD-810, DO-160
- EMI/EMC: MIL-STD-461/462
- Panel construction & lighting: MIL-P-7788
- Power: MIL-STD-704, MIL-STD-1275
- Shock – MIL S 901D
- Vibration – MIL STD 167



## Rugged Completely Sealed IP66/NEMA4X Rack Mount LCD Monitor



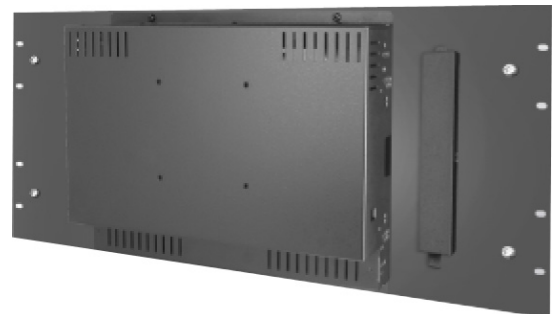
Water Proof Solution,  
Full IP NEMA4X Rating  
front and back

Aluminum Housing  
Rack Mount Design

AR Glass  
Protective Glass at  
front

Optional High  
Brightness and  
Touch screen

\* IP66 Water and Dust proof  
connection for a higher protection

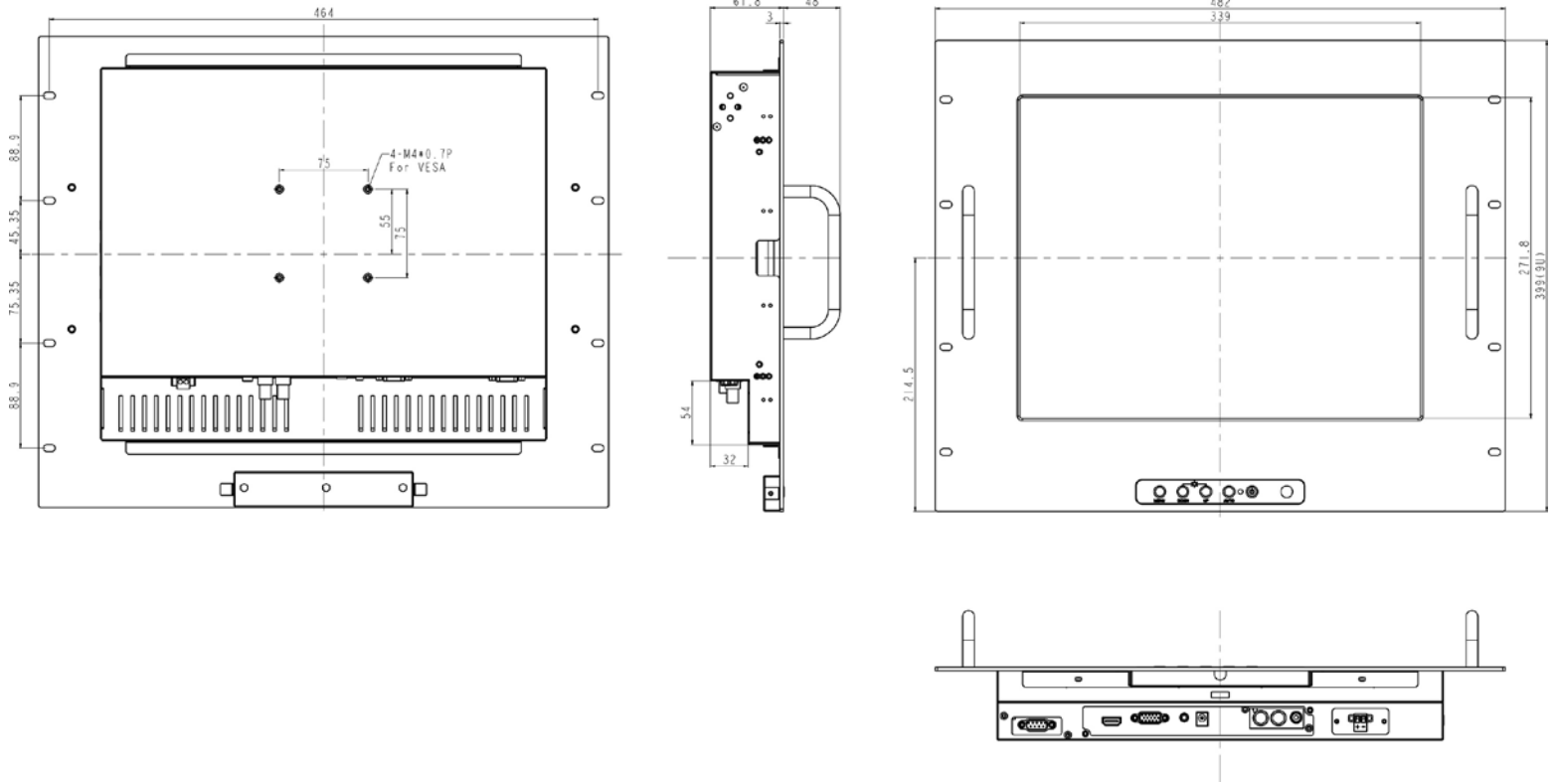


**Specification:**

|                            |  |   |   |
|----------------------------|--|---|---|
| <b>Panel</b>               | Cell Type / Glass Surface  | TFT LCD / Black Anti-Glare, low reflection coating          |   |
|                            | Aspect Ratio / Size  | 4 : 3 / 17" viewable diagonal area                          |   |
|                            | Active Area / Pixel Pitch  | 337.92(H) x 270.34(V) mm / 0.264(H) x 0.264(V) mm           |   |
|                            | Native Resolution / Colors   | 1280(H) x 1024(V) / 16.7 M                                  |   |
|                            | Brightness / Contrast  | 1000 cd/m <sup>2</sup> (typ) / 800 : 1                      |   |
|                            | Response Time  | < 5 ms  |   |
|                            | Viewing Angle (typical)  | H. 170o (- 85o ~ + 85o) , V. 160o(- 80o ~ + 80o)            |   |
|                            | 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 Green            |
|                            |  | Frequency   | F <sub>n</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 Plug |   |   |
| <b>Convenient Features</b> | Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B)               |   |   |
|                            | OSD Multi-Languages , Wall Mount Ready (VESA Dimension - please refer to Drawing)        |   |   |
| <b>Power</b>               | Internal power supply with universal / Auto-Sensing, AC90 to 260V, 50/60 Hz              |   |   |
| <b>Power Consumption</b>   | Operation / Power Saving   | 32.5 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   | Please refer to Drawing                                     |   |
|                            | Carton   | W x H x D = TBD   |   |
| <b>Weight</b>              | N.W. / G.W.  | 5 Kgs / 6 Kgs   |   |
| <b>Container Loaded</b>    | 20ft / 40ft / 40ft HQ  | TBD (Sets , By pallet)                                      |   |

| <b>Options</b> | Touch            | Video / TV           | Enhanced Panel           | Others                       |
|----------------|------------------|----------------------|--------------------------|------------------------------|
|                | Resistive touch  | SV + AV              | Panel with LED backlight | Digital Signage(Stand alone) |
|                | Capacitive touch | SV + AV + AV Looping | 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                 |

Mechanical Drawing:



## LCD Options:



### LED Backlight Options

Introducing LED backlight options for monitors for energy efficiency and a brighter screen.



### VIDEO Input Options:

For Video inputs options:

DVI, DVI+HDMI, SVideo+AV, SVideo+AV+DVI, AV+Looping, DVI+AV+Looping, HD-SDI, BNC(PAL/NTSC)



### 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