# Full IP66 Panel Mount Dust and Waterproof LCD

**High Bright 700nits**

IP66 Panel Mount(OSD front), 21.5" LCD monitor, 1920 x 1080, LED 700 nits, VGA input, w/o-Speaker, w/ Ext. Adapter, IP66 cables, wide viewing angle with Projective Capacitive Touch (1-2mm) USB Controller

## (Model: EPMF6-W2150HBWV-PCT)

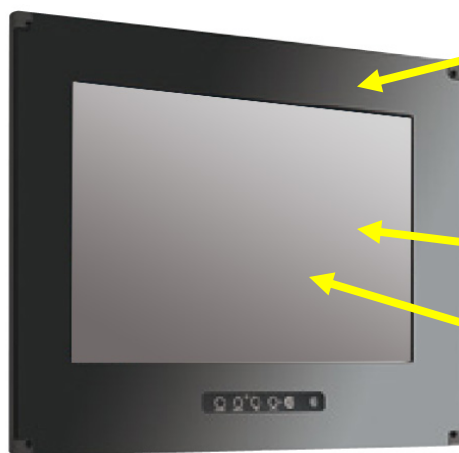| IP66 | | | | | | | |
|---|---|---|---|---|---|---|---|
| All Weather | Powerful Water Jets Protected | Sunlight Readable | Extended Temperature | Vibration Safeguards | Shock Safeguards | Low Power | Wide Viewing |

## 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.
- IP66 Compliant
- Able to protect against powerful water jets
- Complete custom design/solution for OEM customers

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

**Water Proof Solution, Full IP NEMA4X Rating front and back**

**Aluminum Housing Panel Mount Design**

**AR Glass Protective Glass at front**

**Optional High Brightness and Touch screen**

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

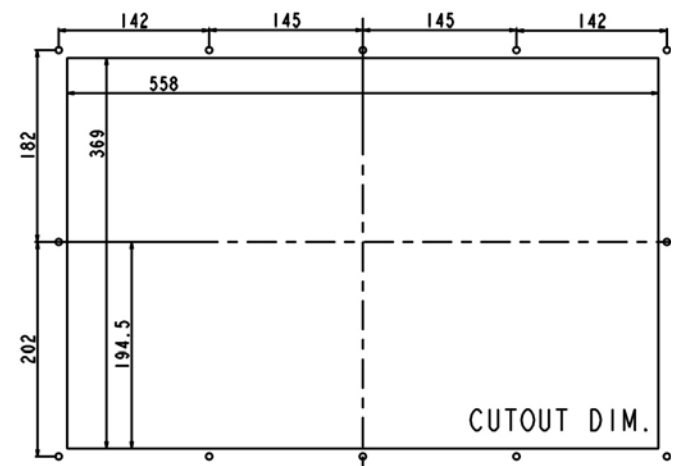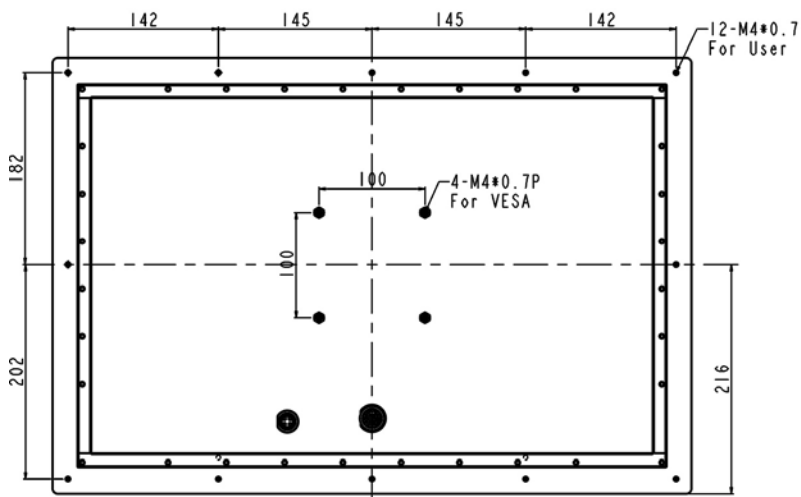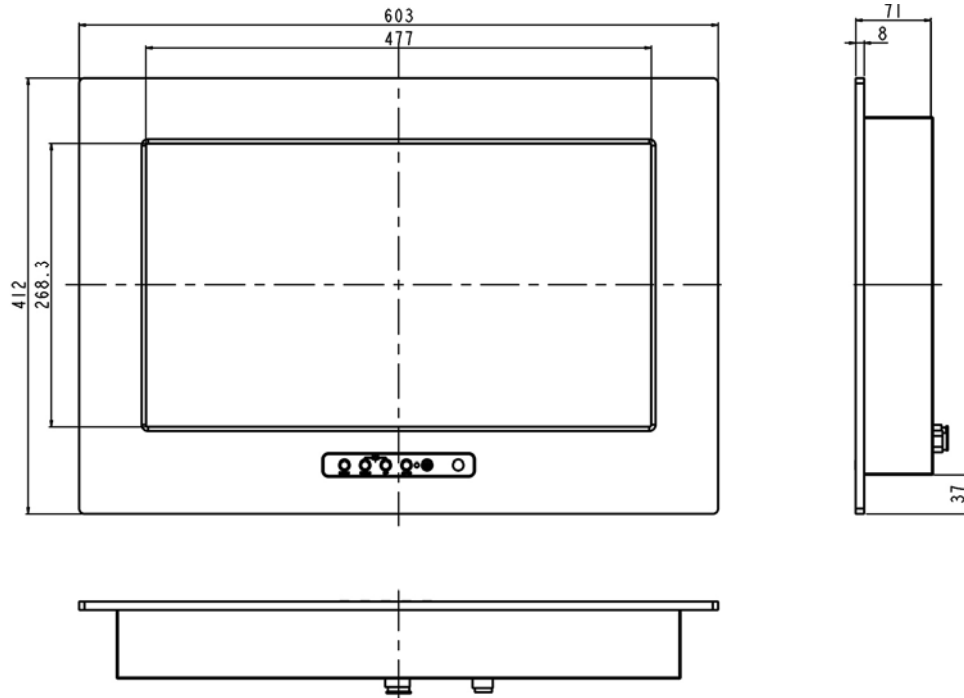\* All Connectors are facing backward

## Specification:

| Panel | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low reflection coating | |
|---|---|---|---|
| | Aspect Ratio / Size | Wide / 21.5" viewable diagonal area | |
| | Active Area / Pixel Pitch | 476.64(H) x 268.11(V) mm / 0.248(H) x 0.248(V) mm | |
| | Native Resolution / Colors | 1920(H) x 1080(V) / 16.7M | |
| | Brightness / Contrast | 700 cd/m$^2$ (typ) / 1000 : 1 | |
| | Response Time | 5 ms | |
| | Viewing Angle (typical) | H. 178o (- 89o ~ + 89o) , V. 178o(- 89o ~ + 89o) | |
| | Light Source | LED backlight, Long life, 35,000 hrs (typ) | |
| Input Sources | PC System | Signal | Analog RGB (0.7/1.0 V$_{p-p}$, 75 ohms) |
| | | Sync | Separate Sync, Composite Sync, Sync On Green |
| | | Frequency | $F_h$ : 30 - 82Khz , $F_v$ : 50 -75Hz |
| | Audio System | N/A | |
| Input Terminals | 1 x VGA (15 Pin Female D-Sub) , 1 x PC Audio (Stereo Headphone Jack) , 1 x DC Power Plug | | |
| Convenient Features | Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B) | | |
| | OSD Multi-Languages , Wall Mount Ready (VESA 75 x 75 mm) | | |
| Power | Internal power supply with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz | | |
| Power Consumption | Operation / Power Saving | 26 watt , < 1 watt (Support DPMS) | |
| Operating Condition | Temperature / Humidity | 0$^o$C ~ 50$^o$C (32$^o$F ~ 122$^o$F) , 10% ~ 90% (no condensation) | |
| Storage Condition | Temperature / Humidity | - 20$^o$C ~ 60$^o$C (- 4$^o$F ~ 140$^o$F) , 10% ~ 90% (no condensation) | |
| Certification | | FCC , CE | |
| Dimensions | Physical | W x H x D = 603 x 412 x 71 (mm) | |
| | Carton | W x H x D = TBD | |
| Weight | N.W. / G.W. | 6 Kgs / 7 Kgs | |
| Container Loaded | 20ft / 40ft / 40ft HQ | TBD (Sets , By pallet) | |

| Options | 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 |

## Applications:

- Automation
- Batch Processing
- Commercial Broadcast Operations
- Man Machine Interface (MMI) Operation
- Electronic Flight Bag (EFB)
- Food Processing
- GPS Mapping Systems
- Inspection Systems

**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