# Full IP66 Panel Mount Dust and Waterproof LCD

**IP66 Panel Mount (OSD rear) 7" Wide LCD monitor, 800 x 480, LED-400nits, VGA, WV(160°/160°), WT(-30~80 ), w/o-Speaker, w/Ext. Adapter, IP66 cables with Projective Capacitive Touch (1-2mm) USB Controller**

## (Model: EPM6-W0700WVWT-PCT)

All Weather

Powerful Water Jets Protected

Extended Temperature

Vibration Safeguards

Shock Safeguards

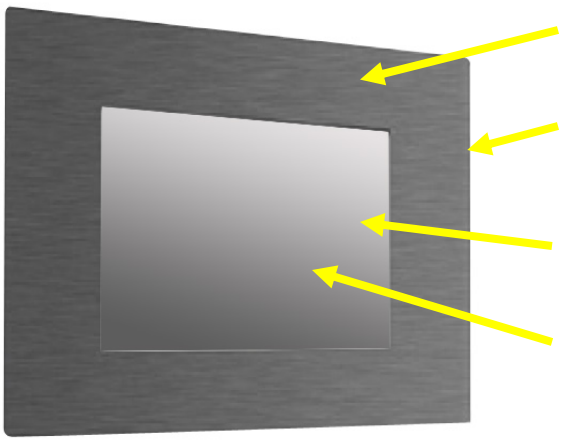
Low Power

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**

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## Specification:

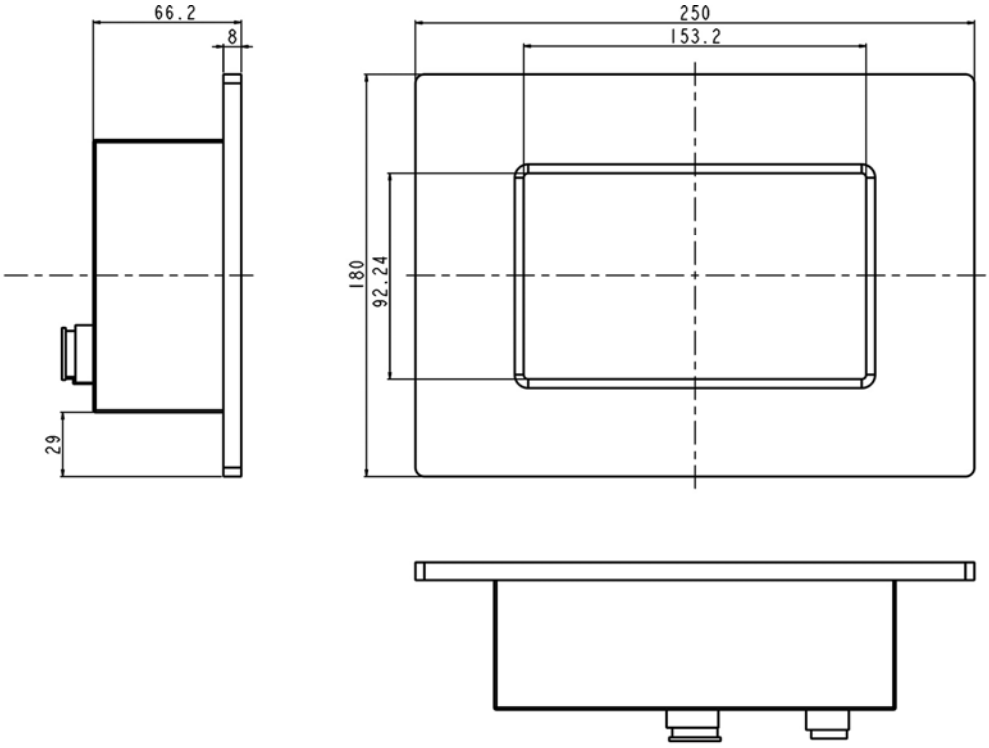
| | | | |
|---|---|---|---|
| **Panel** | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low refection coating | |
| | Aspect Ratio / Size | Wide / 7" viewable diagonal area | |
| | Active Area / Pixel Pitch | 152.40(H) x 91.44(V) mm / 0.1905(H) x 0.1905(V) mm | |
| | Native Resolution / Colors | 800(H) x 480(V) / 262 K | |
| | Brightness / Contrast | 400 cd/$m^2$ (typ) / 700 : 1 | |
| | Response Time | < 30 ms | |
| | Viewing Angle (typical) | H. 160o (- 80o ~ + 80o) , V. 160o(- 80o ~ + 80o) | |
| | 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 | 2W speaker x 2 | |
| **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 Dimension - please refer to Drawing) | | |
| **Power** | External AC-to-12VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz | | |
| **Power Consumption** | Operation / Power Saving | 9.625 watt , < 2 watt (Support DPMS) | |
| **Operating Condition** | Temperature / Humidity | -30°C ~ 80°C (-22°F ~ 176°F) , 10% ~ 90% (no condensation) | |
| **Storage Condition** | Temperature / Humidity | -30°C ~ 80°C (-22°F ~ 176°F) , 10% ~ 90% (no condensation) | |
| **Certification** | | FCC , CE | |
| **Dimensions** | Physical | Please refer to Drawing | |
| | Carton | W x H x D = TBD | |
| **Weight** | N.W. / G.W. | 3 Kgs / 4 Kgs | |
| **Container Loaded** | 20ft / 40ft / 40ft HQ | TBD (Sets , By pallet) | |

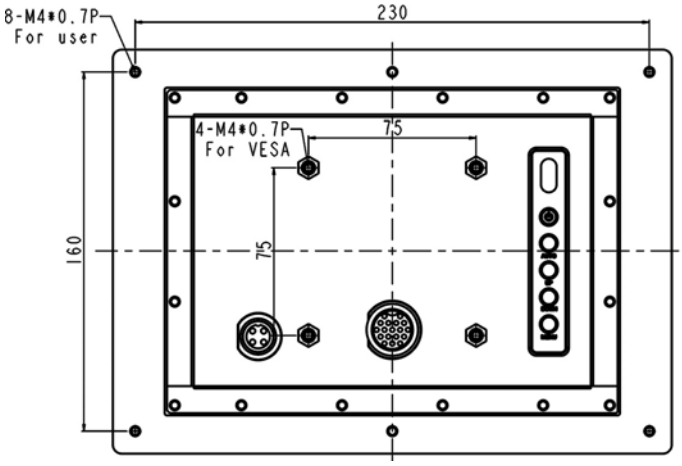
| | | | | |
|---|---|---|---|---|
| **Options** | Touch | Video / TV | Enhanced Panel | Others |
| | Resistive touch | SV + AV | Panel with LED backlight | Digital Signage(Stand alone) |
| | Capacitive touch | SV + AV + AV Looping | High brightness panel | Networking Digital Signage |
| | SAW touch |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

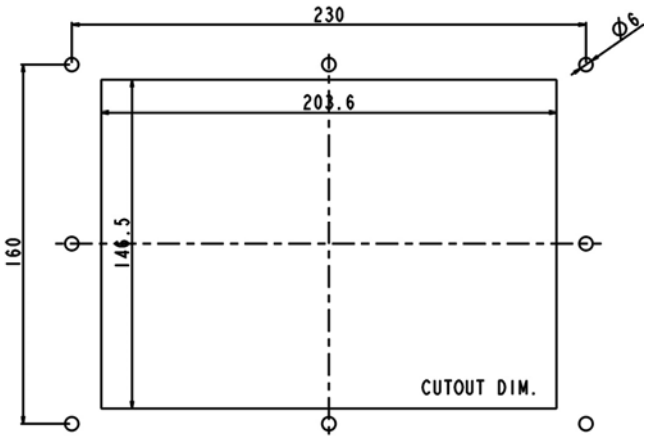
## Applications:

- 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