# Model: EPMW7500

Panel Mount, 75" LCD monitor, 3840x2160, LED 350 nits, VGA + HDMI + DVI input

**EPM Series:** **Industrial Panel Mount Metal Housing LCD Monitor**
**(Optional Integrated Touchscreen/Front IP65/NEMA4x/Front Stainless steel bezel and more…)**

## Features Highlights:

**Metal 5mm Panel Mount for easy installation with stud mount and Clamps mount**
**(Optional for Front AR Glass or Vandal Resistant glass)**

**Optional for Resistive/ Capacitive/ SAW/ IR/ Projective Capacitive Touch screen**

**Auto Video Signal ON / OFF**
**Auto Always Power On**

**Optional Stainless steel Bezel 3mm thick**

**Optional Integrated IP65 Front Panel Mount with water proof sealed Gasket**

**Side OSD buttons can prevent unnecessary setting changes.**

**VESA Mounting Hole Pattern**

**Reliable built-in Power supply for 15" or above**
**(Optional for 9-36V DC input)**

**Standard VGA Input**
**(Optional for DVI. HDMI, AV, BNC, AV looping and SDI)**

**Optional for RS232 Remote Control Protocol: Command Code to set system**

## Features:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-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

## Specification:

| | | | |
|---|---|---|---|
| **Panel** | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low refection coating | |
| | Aspect Ratio / Size | Wide / 75" viewable diagonal area | |
| | Active Area / Pixel Pitch | 1650.24(H) x 928.26(V) mm/ 0.4298(H) x 0.4298(V) mm | |
| | Native Resolution / Colors | 3840(H) x 2160(V) / 1.073B | |
| | Brightness / Contrast | 350 cd/$m^2$ (typ) / 4000 : 1 | |
| | Response Time | ≤ 8 ms (G-to-G) | |
| | Viewing Angle (typical) | H.178$^o$ (- 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 | 2W speaker x 2 | |
| **Input Terminals** | 1 x VGA, 1 x HDMI, 1 x DVI, 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** | Internal power supply with universal / Auto-Sensing, AC90 to 260V, 50/60 Hz | | |
| **Power Consumption** | Operation / Power Saving | 140 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 | Please refer to Drawing | |
| | Carton | W x H x D = TBD | |
| **Weight** | N.W. / G.W. | 80 Kgs / 84 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 |

## LCD Options:

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

### TouchScreen Options
Our LCD has a wide selection option to choose which touchscreen.technology suits for you.

| | Four-Wire Resistive | Five-Wire Resistive | Pen Touch | Capacitive | Surface Wave(Saw) | Infrared Touch (Ir) |
|---|---|---|---|---|---|---|
| PRODUCT SIZE | 1.7" - 24" | 10.4" - 24" | 15" – 19" | 12" - 24" | 10.4" - 30" | 10.4" - 42" |
| TOUCH LIFE | 1 – 2 million touches | 30 – 35million touches | 100 million touches | 100 million touches | 50 million touches | Long-term reliability |
| SCRATCH RESISTANCE | Hard Coated | Hard Coated | Hard Coated ($SiO^2$) | Hard Coated ($SiO^2$) | Glass Overlay Moh's hardness rating of 7 | Glass Overlay Moh's hardness rating of 7 |
| CONTAMINANT RESISTANCE | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers |
| INPUT METHOD | Finger, Gloved Hand, Stylus | Finger, Gloved Hand, Stylus | Stylus Pen | Finger | Finger, Gloved Hand, Soft pliable stylus | Finger, Gloved Hand, Stylus |
| CONTROLLER | USB, RS232 | USB, RS232 | USB, RS232 | USB, RS232 | USB, RS232 | USB, RS232 |

### 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

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