# EFM Series Industrial Flush Mount LCD Monitor

**Flush Mount 19" Wide LCD monitor, 1440 x 900, LED 250 nits, VGA input with 10 points Projective Capacitive Touch (1-2mm) USB Controller**

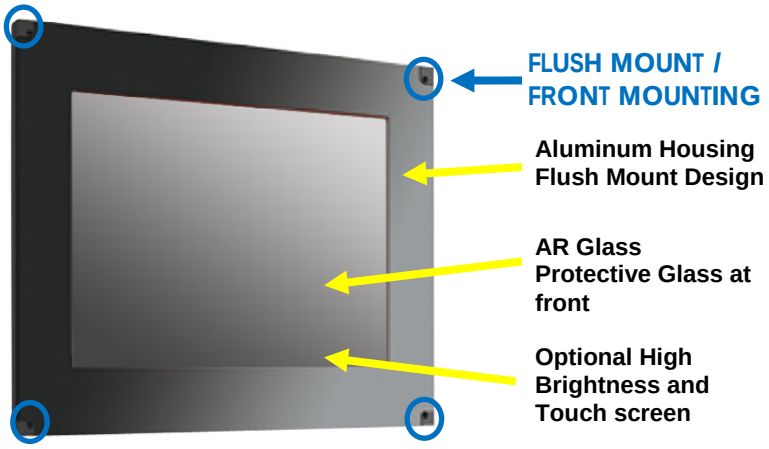
**(Model: EFMW1900-PCT10)**

All Weather | 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.
- Complete custom design/solution for OEM customers

## Industrial Rugged Flush Mount LCD Monitor




*** All Connectors are facing downward**

i-Tech Company LLC
TOLL FREE: (888) 483-2418 • EMAIL: info@itechlcd.com • WEB: www.iTechLCD.com

## Specification:

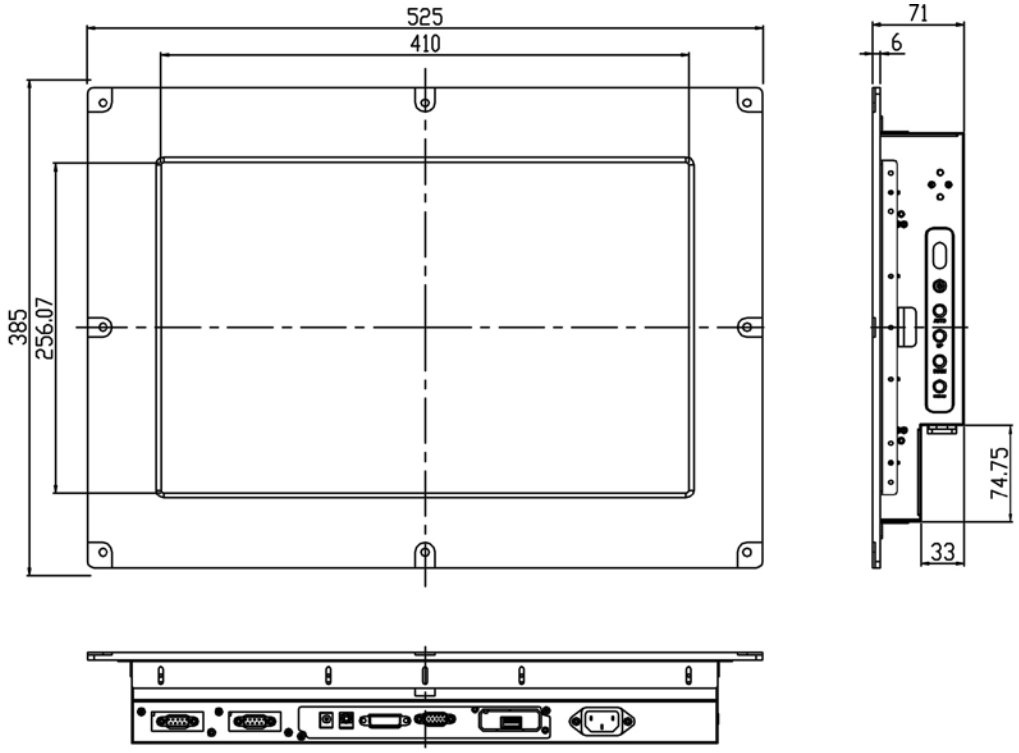
| | | | |
|---|---|---|---|
| **Panel** | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low refection coating | |
| | Aspect Ratio / Size | Wide / 19" viewable diagonal area | |
| | Active Area / Pixel Pitch | 408.24(H) x 255.15(V) mm / 0.284(H) x 0.284(V) mm | |
| | Native Resolution / Colors | 1440(H) x 900(V) / 16.7M | |
| | Brightness / Contrast | 250 cd/$m^2$ (typ) / 1000 : 1 | |
| | Response Time | ≤ 5 ms | |
| | Viewing Angle (typical) | H.170$^o$ (- 85o ~ + 85o) , 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 | 22.375 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. | 6 Kgs / 7 Kgs | |
| **Container Loaded** | 20ft / 40ft / 40ft HQ | TBD (Sets , By pallet) | |

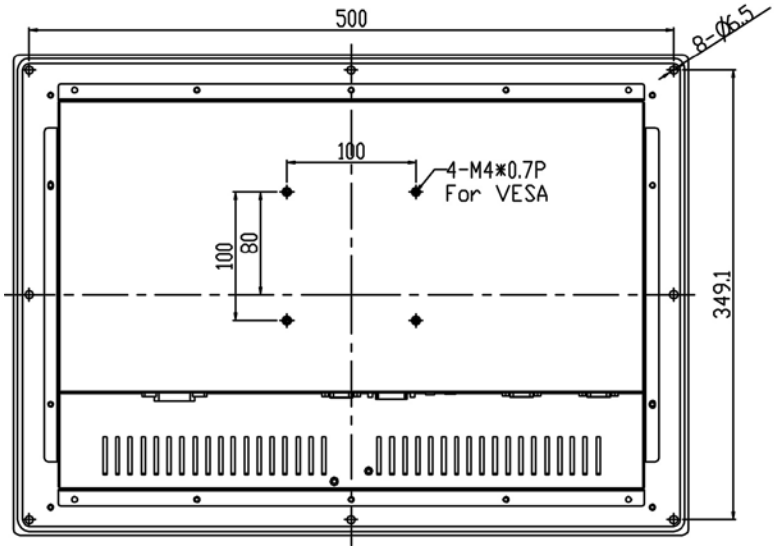
| | | | | |
|---|---|---|---|---|
| **Options** | Touch | Video / TV | Enhanced Panel | Others |
| | Resistive touch | SV + AV | Panel with LED backlight | Digital Signage(Stand alone) |
| | Capacitive touch | SV + AV + AV Looping | High brightness panel | Networking Digital Signage |
| | SAW touch |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

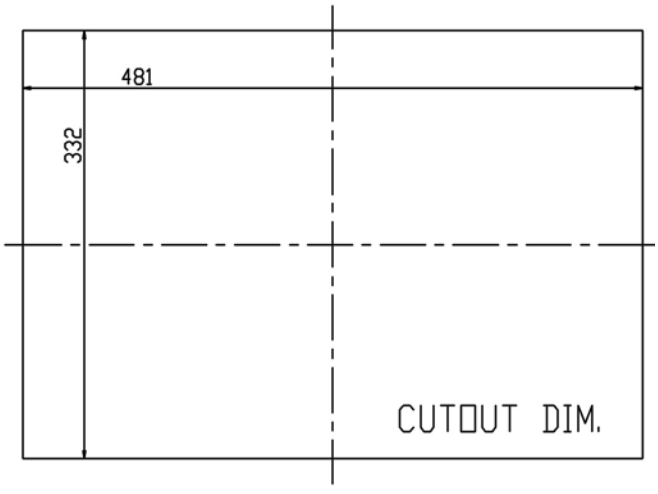
## Applications:

- 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

## Photo Gallery: