

# Full IP67 Chassis Mount Dust and Waterproof LCD



IP67 Chassis 17" Wide LCD monitor, 1440 x 900, LED 250 nits, VGA input, w/o Speaker, w/ Ext. Adapter, IP67 cables, SECC Metal w/ Powder coating with 10 points Projective Capacitive Touch (1-2mm) USB Controller  
(Model: ECH7-W1700-PCT10)



**Immersion Protected**  
(up to 1 meter)



**Vibration Safeguards**



**Shock Safeguards**



**Low Power**

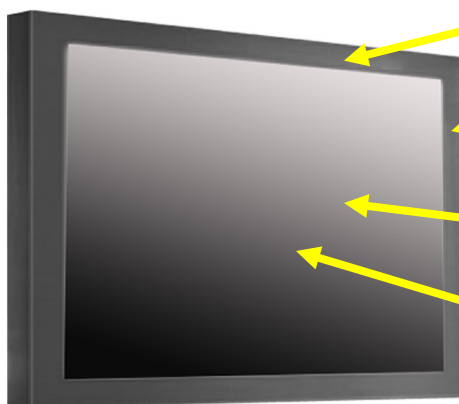


**Wide Viewing**

## 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.
- SECC + Powder coating
- Complete custom design/solution for OEM customers
- IP67 Compliant
- Protected against temporary immersion (up to 1 meter for 30 minutes)
- MIL-STD Compliant Connector

## Rugged Completely Sealed IP67/NEMA6 Chassis/Surface Mount LCD Monitor



Water Proof Solution, Full IP NEMA6 Rating front and back

Aluminum Housing Chassis Design

AR Glass Protective Glass at front

Optional High Brightness and Touch screen

\* IP67 Water and Dust proof connection for a higher protection

\* All Connectors are facing backward



## Specification:

|                            |  |   |   |
|----------------------------|--|---|---|
| <b>Panel</b>               | Cell Type / Glass Surface  | TFT LCD / Black Anti-Glare, low reflection coating          |   |
|                            | Aspect Ratio / Size  | Wide / 17" viewable diagonal area                           |   |
|                            | Active Area / Pixel Pitch  | 367.2(H) x 229.5(V) mm / 0.255(H) x 0.255(V) mm             |   |
|                            | Native Resolution / Colors   | 1440(H) x 900(V) / 262 K                                    |   |
|                            | Brightness / Contrast  | 250 cd/m <sup>2</sup> (typ) / 800 : 1                       |   |
|                            | Response Time  | ≤ 8 ms  |   |
|                            | Viewing Angle (typical)  | H. 130o (- 65o ~ + 65o) , V. 100o(- 55 ~ + 45o)             |   |
|                            | 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>h</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 75 x 75 mm)                                 |   |   |
| <b>Power</b>               | Internal power supply with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz           |   |   |
| <b>Power Consumption</b>   | Operation / Power Saving   | 22 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   | W x H x D = 460 x 330 x 84 mm                               |   |
|                            | Carton   | W x H x D = TBD   |   |
| <b>Weight</b>              | N.W. / G.W.  | 4.2 Kgs / 5.2 Kgs   |   |
| <b>Container Loaded</b>    | 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

## LCD Options:



### LED Backlight Options

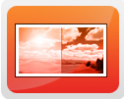
Introducing LED backlight options for monitors for energy efficiency and a brighter screen.



### 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