

Full IP67 Chassis Mount Dust and Waterproof LCD



IP67 Chassis 12.1" LCD, 1024x768, LED-350nits, VGA, WT(-30~70°C), w/o Speaker, w/ Ext. Adapter, IP67 cables, SECC Metal w/ Powder coating with 10 points Projective Capacitive Touch (1-2mm) USB Controller

(Model: ECH7-1210BWT-PCT10)



All Weather



Immersion Protected
(up to 1 meter)



Extended Temperature



Vibration Safeguards



Shock Safeguards



Low Power

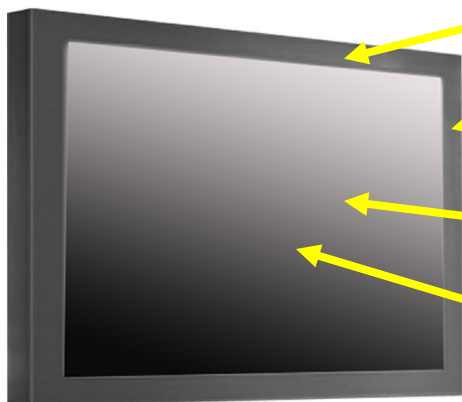


Wide Viewing

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.
- 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:

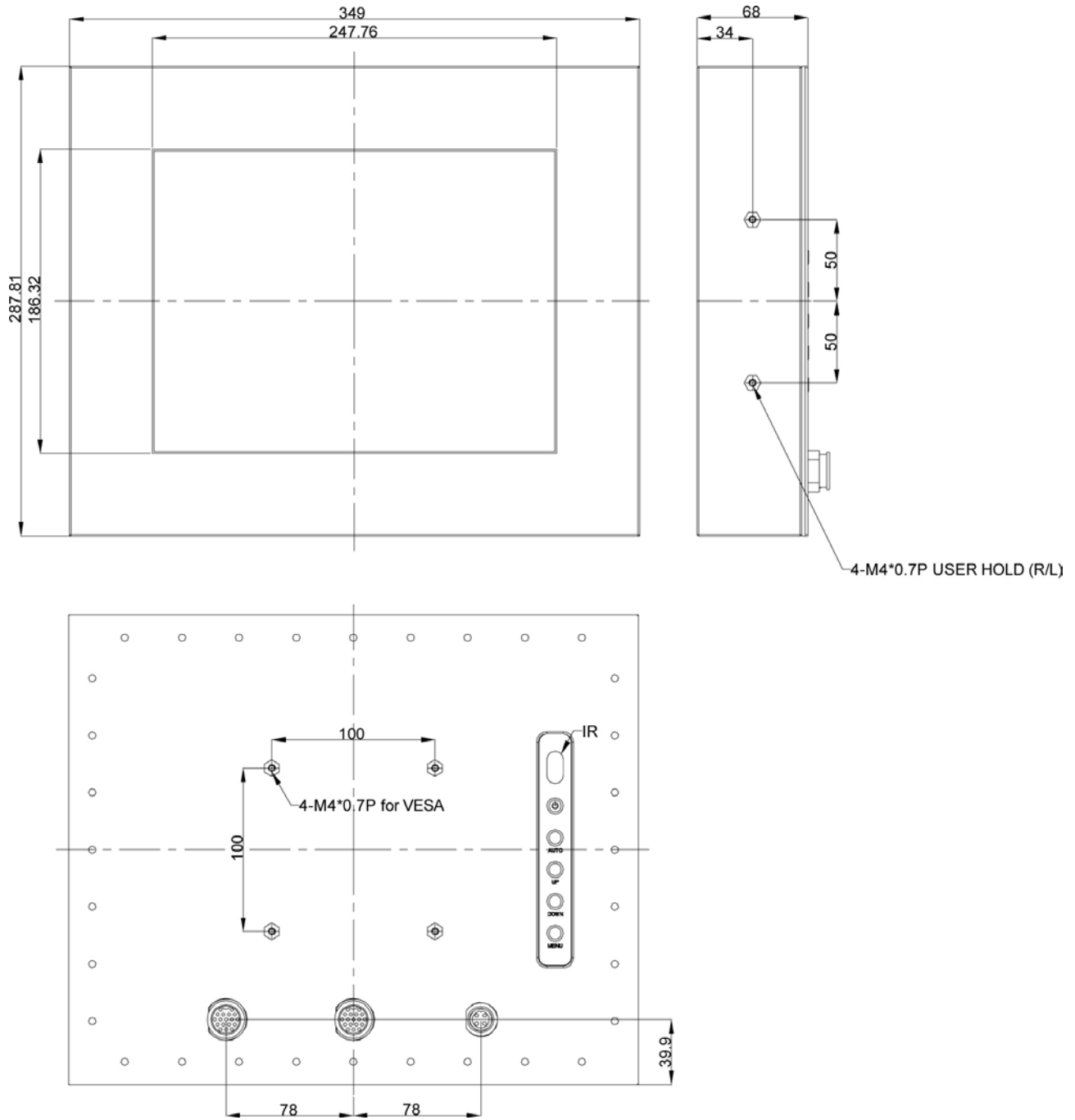
| | | | |
|----------------------------|---|--|---|
| Panel | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low reflection coating | |
| | Aspect Ratio / Size | 4 : 3 / 12.1" viewable diagonal area | |
| | Active Area / Pixel Pitch | 245.8(H) x 184.3(V) mm / 0.24(H) x 0.24(V) mm | |
| | Native Resolution / Colors | 1024(H) x 768(V) / 16.2 M | |
| | Brightness / Contrast | 200 cd/m ² (typ) / 550 : 1 | |
| | Response Time | ≤ 25 ms | |
| | Viewing Angle (typical) | H. 160o (- 80o ~ + 80o) , V. 140o(- 70o ~ + 70o) | |
| | 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 | 23.75 watt , < 2 watt (Support DPMS) | |
| Operating Condition | Temperature / Humidity | -30°C ~ 70°C (-22°F ~ 158°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. | 3.5 Kgs / 4.5 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