

# Full IP67 Chassis Mount Dust and Waterproof LCD



IP67 Chassis 6.5" LCD, 640x480, LED-400nits, VGA, WT(-30~80°C), w/o Speaker, w/ Ext. Adapter, IP67 cables, SECC Metal w/ Powder coating with Projective Capacitive Touch (1-2mm) USB Controller

(Model: ECH7-0650WT-PCT)



All Weather



Immersion Protected  
(up to 1 meter)



Extended Temperature



Vibration Safeguards



Shock Safeguards



Low Power

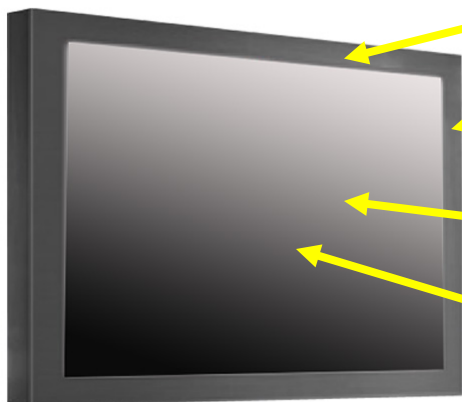


Wide Viewing

## 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:

<b>Panel</b>	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating	
	Aspect Ratio / Size	4 : 3 / 6.5" viewable diagonal area	
	Active Area / Pixel Pitch	132.48(H) x 99.36(V) mm / 0.207(H) x 0.207(V) mm	
	Native Resolution / Colors	640(H) x 480(V) / 262 K	
	Brightness / Contrast	400 cd/m <sup>2</sup> (typ) / 600 : 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)	
<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>	External AC-to-12VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz		
<b>Power Consumption</b>	Operation / Power Saving	12 watt , < 2 watt (Support DPMS)	
<b>Operating Condition</b>	Temperature / Humidity	-30°C ~ 80°C, 10% ~ 90% (no condensation)	
<b>Storage Condition</b>	Temperature / Humidity	-30°C ~ 80°C, 10% ~ 90% (no condensation)	
<b>Certification</b>		FCC , CE	
<b>Dimensions</b>	Physical	W x H x D = TBD	
	Carton	W x H x D = TBD	
<b>Weight</b>	N.W. / G.W.	2.0 Kgs / 3.0 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