

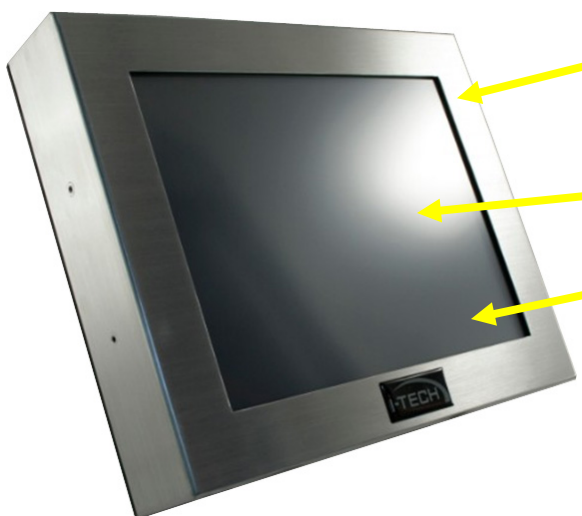


# Model: ECHW2200-SIP

Rugged Completely Sealed IP66/NEMA4X Stainless Steel Chassis/Surface Mount, 22" LCD monitor, 1680x1050, 250 nits, without speaker

**ECHXXX-SIP Series:** Rugged Completely Sealed IP66/NEMA4X Stainless Steel Chassis/Surface Mount (Optional Integrated All-in-One PC Fanless and Touchscreen Solution)

## Features Highlights:



Water Proof Solution, Full IP/NEMA4 Rating front and back  
Stainless and Aluminum Housing Chassis Design

Glass Protective Glass at front

Optional High Brightness and Touch screen



- IP65 Water and Dust proof connection for a higher protection
- All Connectors are facing back with IP66 water proof connectors



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

# Stainless Steel Chassis LCD Monitor

## Photos:

### Model: ECH1700-SIP



## Features:

- Modular mechanism design provides flexible product configuration and easy maintenance.
- Stainless Steel Enclosure
- Option with auto-brightness sensor offers application in day and night.
- Option to built-in touch screen for interactive application.

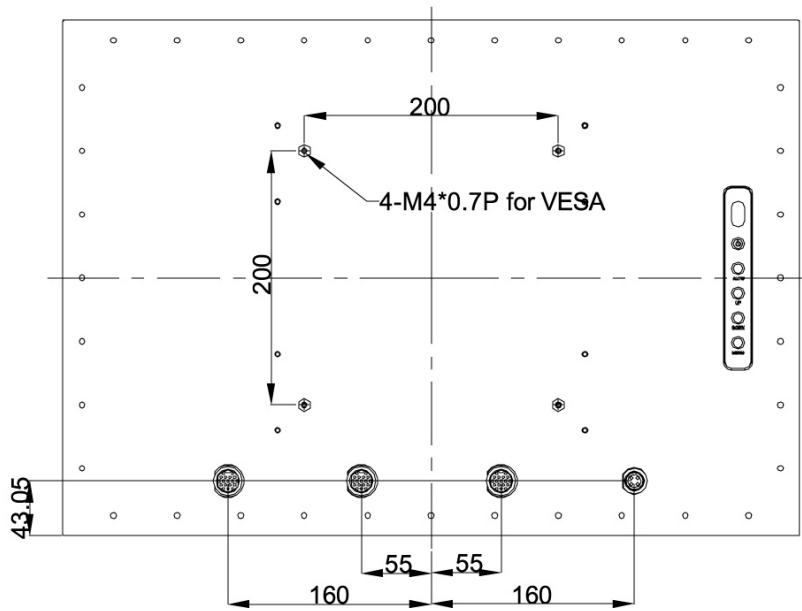
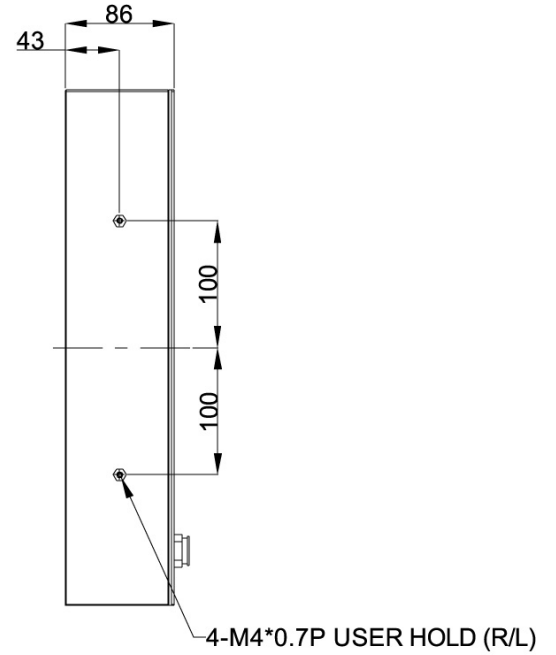
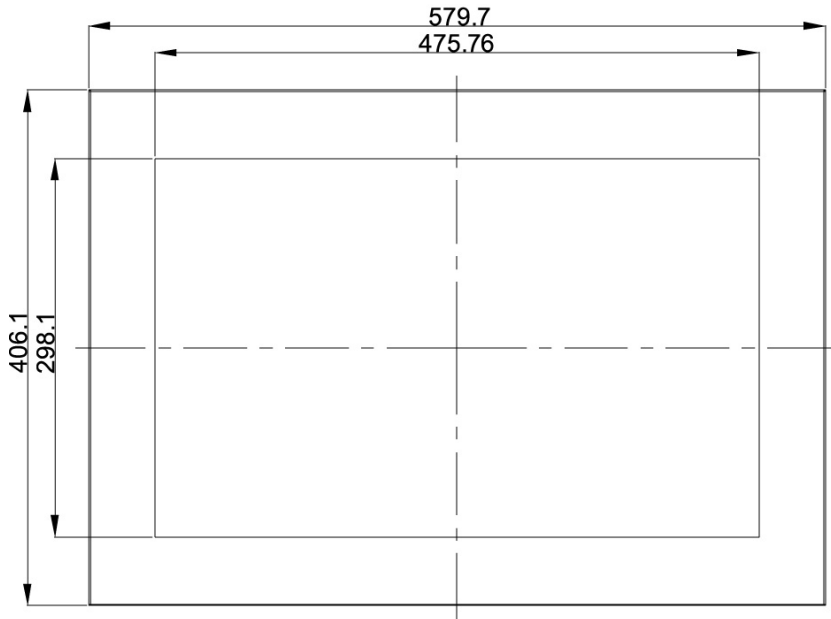
## Specification:

|                     |                                                                                          |                                                             |                                                         |
|---------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|
| Panel               | Cell Type / Glass Surface                                                                | TFT LCD / Black Anti-Glare, low reflection coating          |                                                         |
|                     | Aspect Ratio / Size                                                                      | Wide / 22" viewable diagonal area                           |                                                         |
|                     | Active Area / Pixel Pitch                                                                | 473.8(H) x 296.1(V) mm / 0.282(H) x 0.282(V) mm             |                                                         |
|                     | Native Resolution / Colors                                                               | 1680(H) x 1050(V) / 16.7M                                   |                                                         |
|                     | Brightness / Contrast                                                                    | 250 cd/m <sup>2</sup> (typ) / 1000 : 1                      |                                                         |
|                     | Response Time                                                                            | ≤ 5 ms                                                      |                                                         |
|                     | Viewing Angle (typical)                                                                  | H.170 <sup>o</sup> (- 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 <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                                                                             | N / A                                                       |                                                         |
| 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               | Internal power supply with universal / Auto-Sensing, AC90 to 260V, 50/60 Hz              |                                                             |                                                         |
| Power Consumption   | Operation / Power Saving                                                                 | 24.7 watt , < 1 watt (Support DPMS)                         |                                                         |
| Operating Condition | Temperature / Humidity                                                                   | 0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)     |                                                         |
| Storage Condition   | Temperature / Humidity                                                                   | - 20°C ~ 60°C (- 4°F ~ 140°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.                                                                              | 9 Kgs / 10.5 Kgs                                            |                                                         |
| Container Loaded    | 20ft / 40ft / 40ft HQ                                                                    | TBD (Sets , By pallet)                                      |                                                         |

|                |                  |                      |                          |                              |
|----------------|------------------|----------------------|--------------------------|------------------------------|
| <b>Options</b> | 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                 |

## Stainless Steel Chassis LCD Monitor

## Mechanical Drawing:



# Stainless Steel Chassis LCD Monitor

## 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.

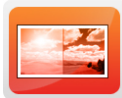
|                        | Four-Wire Resistive                                                        | Five-Wire Resistive                                                        | Capacitive                                                                 |
|------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| PRODUCT SIZE           | 1.7" - 24"                                                                 | 10.4" - 24"                                                                | 12" - 24"                                                                  |
| TOUCH LIFE             | 1 – 2 million touches                                                      | 30 – 35 million touches                                                    | 100 million touches                                                        |
| SCRATCH RESISTANCE     | Hard Coated                                                                | Hard Coated                                                                | Hard Coated (SiO <sub>2</sub> )                                            |
| 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 |
| INPUT METHOD           | Finger, Gloved Hand, Stylus                                                | Finger, Gloved Hand, Stylus                                                | Finger                                                                     |
| CONTROLLER             | 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



i-Tech Company LLC

TOLL FREE: (888) 483-2418 • EMAIL: [info@itechlcd.com](mailto:info@itechlcd.com) • WEB: [www.iTechLCD.com](http://www.iTechLCD.com)