High Bright 1000nits

**IP67 Chassis 27" LCD Monitor 1920 x 1080 / 1000nits
Stainless 304 enclosure with Full IP67 / wall mount
AR glass, Black powder coating.**

**I/O (all connectors are IP67 waterproof connectors
6ft long): VGA, DVI, HDMI and 100-240VAC power cord**

*Remark: This unit designed to be installed under completed
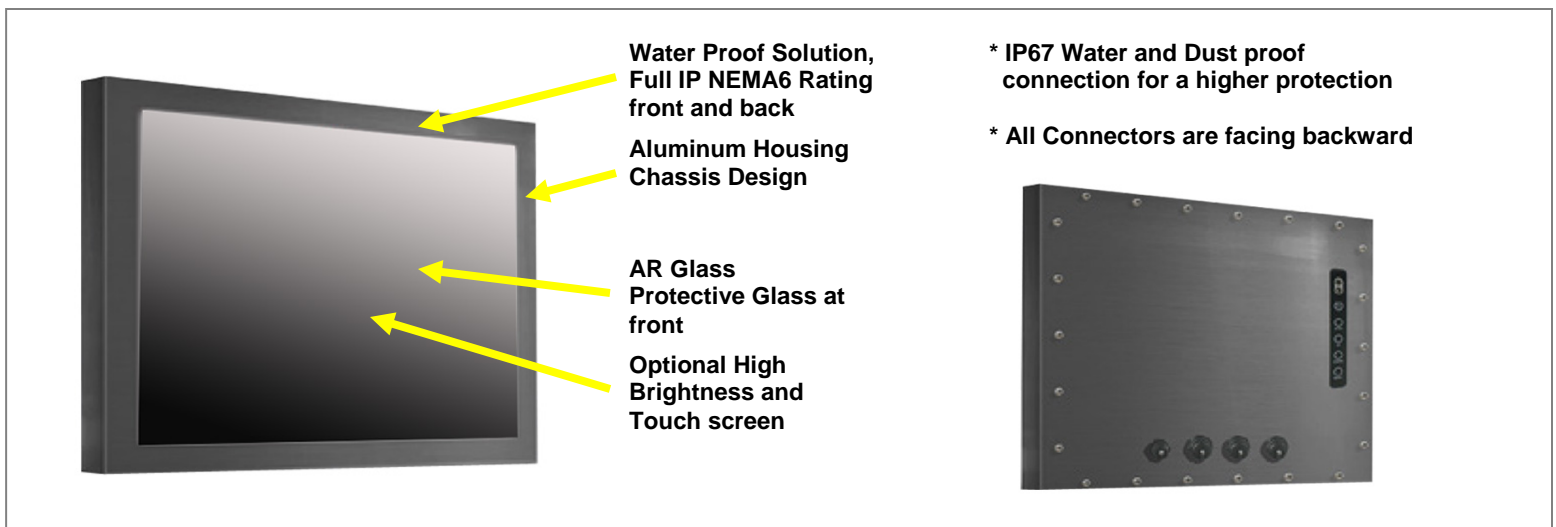shaded area without direct sunlight. Not facing east and west*

IP67					
Immersion Protected (up to 1 meter)	Sunlight Readable	Vibration Safeguards	Shock Safeguards	Low Power	Wide Viewing

MODEL: ECH7-W2700HB2

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.
- AR Glass
- 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 refection coating	
	Aspect Ratio / Size	Wide / 27" viewable diagonal area	
	Active Area / Pixel Pitch	597.89(H) x 336.31(V) mm / 0.3114(H) x 0.3114(V) mm	
	Native Resolution / Colors	1920(H) x 1080(V) / 16.7M	
	Brightness / Contrast	1000 cd/m^2 (typ) / 1000 : 1	
	Response Time	≤ 5 ms	
	Viewing Angle (typical)	H.170° (- 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), DVI, HDMI, 1x 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	100-240 VAC		
Power Consumption	Operation / Power Saving	43 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.	12 Kgs / 13.5 Kgs	
Container Loaded	20ft / 40ft / 40ft HQ	TBD (Sets , By pallet)	

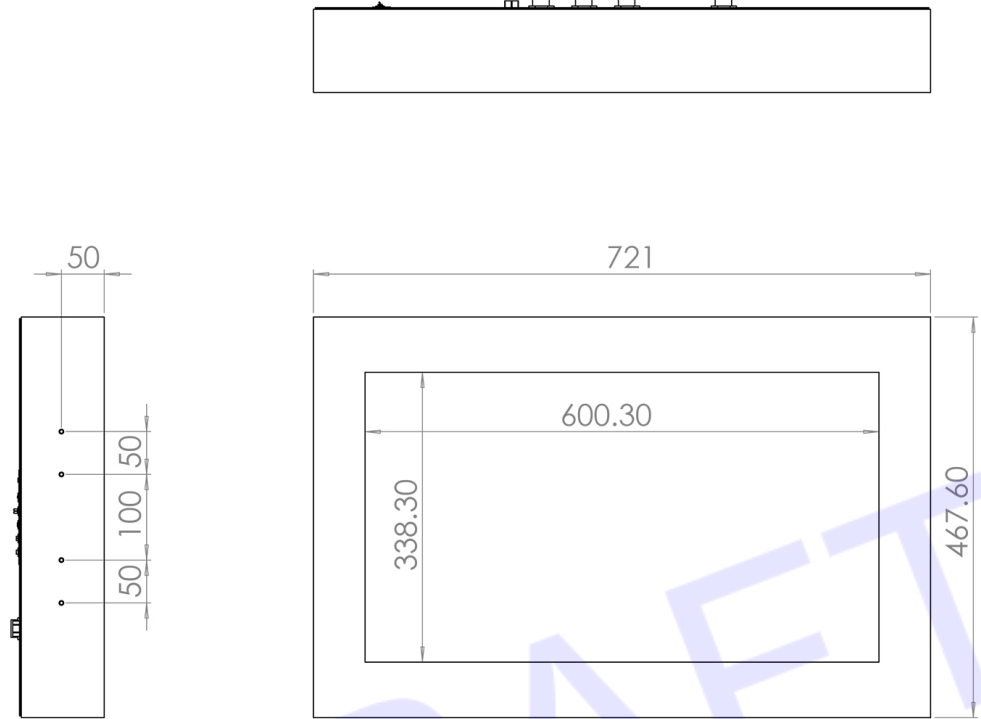| Options	Touch	Video / TV	Enhanced Panel	Others
	Resistive touch	SV + AV	Panel with LED backlight	Digital Signage(Stand alone)
	Capacitive touch	SV + AV + AV Looping	High brightness panel	Networking Digital Signage
	SAW touch	SV + AV + TV	Wide Temperature	Motion Sensor
	Infrared touch		Sunlight Readable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

Specifications subject to change without notice, not responsible for typographical errors.
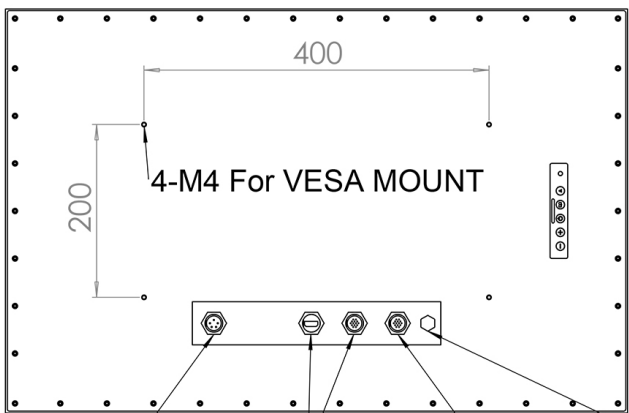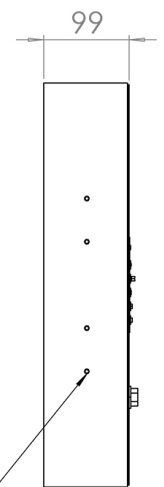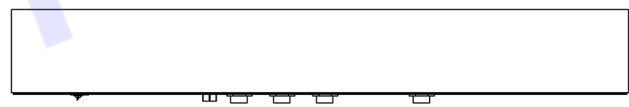
Applications:

- Automation
- Batch Processing
- Commercial Broadcast Operations
- Man Machine Interface (MMI) Operation
- Electronic Flight Bag (EFB)
- Food Processing
- GPS Mapping Systems
- Inspection Systems

Mechanical Drawing:

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.

50

721

600.30

338.30

467.60

50
100
50

99

400

200

4-M4 For VESA MOUNT

8-M4 For Side Mount

POWER INPUT
100~240 VAC

HDMI PORT

DVI PORT

VGA PORT

Venting Value

Drawing No.: ECH7-W2700HB2-08222023-V1

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