Industrial Professional Chassis VESA MOUNT LCD Monitor

2K ULTRAHD

Chassis Mount (Metal-3mm), 30" LCD Monitor
2560 x 1600, 370 nits, HDMI Input only, Side OSD
including rear crew/Clamp/VESA Mount with SAW
(Surface Acoustic Wave) touch Screen and USB Controller

Model: ECHW3000-2K-SAW

ECH Series: Industrial Chassis Wall/Surface Mount Metal Housing LCD Monitor
(Optional Integrated Touch Screen/PC/ DC Input/Front NEMA4x/Front Stainless steel bezel and more…

FEATURES HIGHLIGHTS:

Metal Chassis/Housing for higher Impact protection.
(Optional for Front AR Glass or Vandal Resistant glass)

Built-in speak built-in speakers that allow the convenience
Audio output.

Side OSD buttons can prevent unnecessary setting
changes.

Above 24" LCD will include Front IR Sensor and Remote
controller.

Auto Video Signal ON / OFF
Auto Always Power On

Ultra low speed/Noise fan for extra cooling
(24" LCD or above)

VESA Mounting Hole Pattern

Reliable built-in Power supply for 15" or above
(Optional for 9-36V DC input)

Standard VGA Input
(Optional for DVI. HDMI, AV, BNC, AV looping and SDI)

Optional for RS232 Remote Control Protocol: Command
Code to set system

FEATURES:

- High 2K resolution provides an exceptional experience regardless of any application
- Modular construction for more flexibility in terms of product configuration as well easy maintenance
- A brightness sensor for auto adjustment of the screen so that it's neither too bright nor too dark
- Robust aluminum housing to withstand rugged applications
- Optional build-in touch screen functionality for an interactive application
- Optional protective glass to keep dust, dirt, and moisture away from the display
- Energy-efficient based on advance power management
- Customizable design available upon request for Open frame/Panel mount/Stainless steel OEM customers

OPTIONS:

Touch: PCAP, Capacitive, SAW, Infrared, and Protected glass

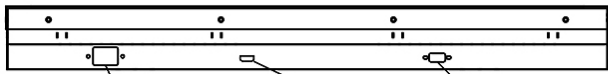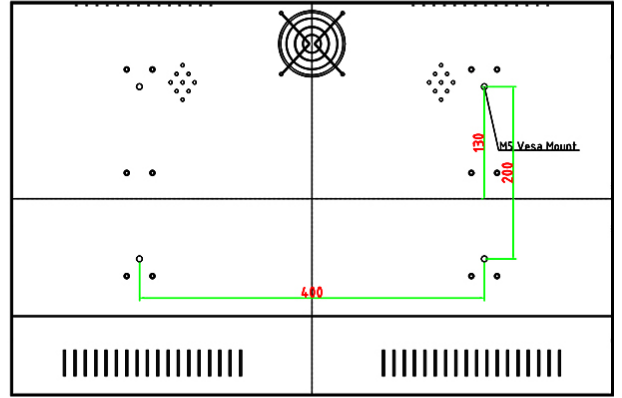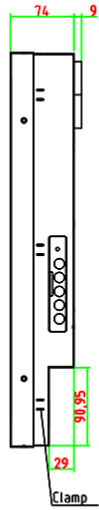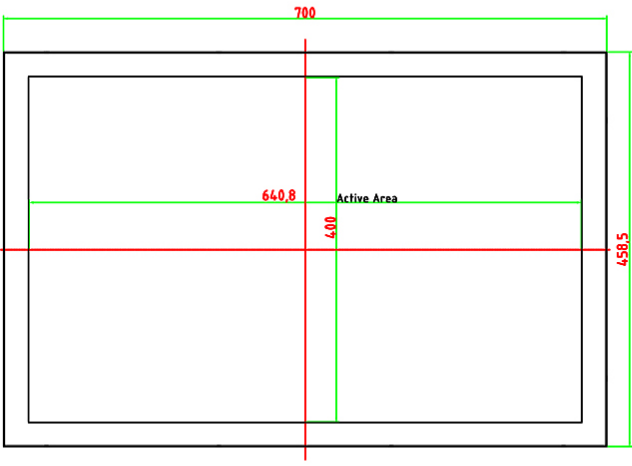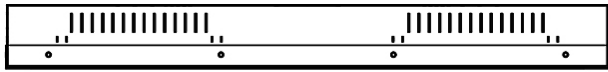**Video/TV:** SV + AV, SV + AV + AV_Looping, SV + AV + TV

Enhanced Panel: Panel with LED backlight, High brightness panel, Wide Temperature, Sunlight Readable

Others optional features: Digital Signage (Standalone), Networking Digital Signage, Motion Sensor, Light Sensor, Auto-Dimming

SPECIFICATIONS:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating	
	Aspect Ratio / Size	Wide / 30" viewable diagonal area	
	Active Area / Pixel Pitch	677.30(H) x 436.80(V) x 42.30(D) mm(Typ.)/0.2505 mm x 0.2505 mm	
	Native Resolution / Colors	2560(H) x 1600(V) / 16.7 Million	
	Brightness / Contrast	370 cd/m^2 (typ) / 3000 : 1	
	Response Time	$\leqq$ 8 ms (G-to-G)	
	Viewing Angle (typical)	H. 178° (- 89° ~ + 89°) , V. 178° (- 89° ~ + 89°)	
	Light Source	CCFL , Long life, 50,000 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	3W Amplifier	
Input Terminals	HDMI Input only		
Convenient Features	Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B)		
	OSD Multi-Languages , Wall Mount Ready (VESA 400 x 200 mm)		
Power	Internal power supply with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz		
Power Consumption	Operation / Power Saving	130 watt , < 5 watt (Support DPMS)	
Operating Condition	Temperature / Humidity	0ºC ~ 50ºC (32ºF ~ 122ºF) , 10% ~ 90% (no condensation)	
Storage Condition	Temperature / Humidity	- 20ºC ~ 60ºC (- 4ºF ~ 140ºF) , 10% ~ 90% (no condensation)	
Certification		FCC , CE	
Dimensions	Physical	With Flanges(W x H x D) : TBD	
		Without Flanges(W x H x D) : TBD	
	Carton	W x H x D = TBD	
Weight	N.W. / G.W.	14.5 Kgs / 16.0 Kgs	
Container Loaded	20ft / 40ft / 40ft HQ	TBD (Sets , By pallet)	

MECHANICAL DRAWING:

700

640.8   Active Area

400

458.5

74   9

90.95

29

Clamp

AC110-240 power input
connector

HDMI
connector

USB touch
connector

130

200

M5 Vesa Mount

400

Unit:mm

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.

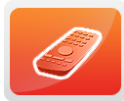|	Four-Wire Resistive	Five-Wire Resistive	Pen Touch	Capacitive	Surface Wave(Saw)	Infrared Touch (Ir)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" – 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 – 2 million touches	30 – 35million touches	100 million touches	100 million touches	50 million touches	Long-term reliability
SCRATCH RESISTANCE	Hard Coated	Hard Coated	Hard Coated (SiO²)	Hard Coated (SiO²)	Glass Overlay Moh's hardness rating of 7	Glass Overlay Moh's hardness rating of 7
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	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	Stylus Pen	Finger	Finger, Gloved Hand, Soft pliable stylus	Finger, Gloved Hand, Stylus
CONTROLLER	USB, RS232	USB, RS232	USB, RS232	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.
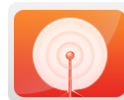
RS-232 Remote Control Options
Remote Control Protocol: Command Code to set system

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