Military Grade Rugged IP66 Rack Mount Display

Military rack mount, w21.5" LCD monitor, 1920x1080, LED-250nit, VGA, DVI, w/o-stand & speaker 5-wire Resistive Touch with EMI Mesh Coating, Military Grade Power Connector (MIL-DTL-38999/1) MIL-461E, MIL-STD-810F Operation temp: -20ºC to + 55ºC

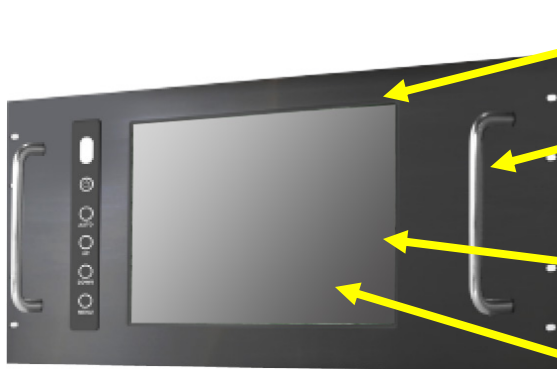## MODEL: EMRW2150-TR

Features:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Available with auto-brightness sensor offers application in day and night
- Military Grade Power Connector (MIL-DTL-38999/1)
- MIL-461E
- MIL-STD-810F

OPTION MIL

- Environmental: MIL-STD-810, DO-160
- EMI/EMC: MIL-STD-461/462
- Panel construction & lighting: MIL-P-7788
- Power: MIL-STD-704, MIL-STD-1275
- Shock – MIL S 901D
- Vibration – MIL STD 167

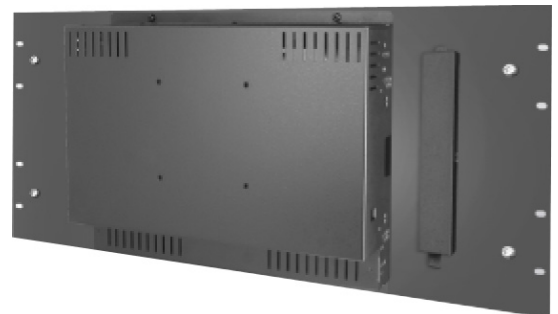## Rugged Completely Sealed IP66/NEMA4X Rack Mount LCD Monitor

Water Proof Solution, Full IP NEMA4X Rating front and back

Aluminum Housing Rack Mount Design

AR Glass Protective Glass at front

Optional High Brightness and Touch screen

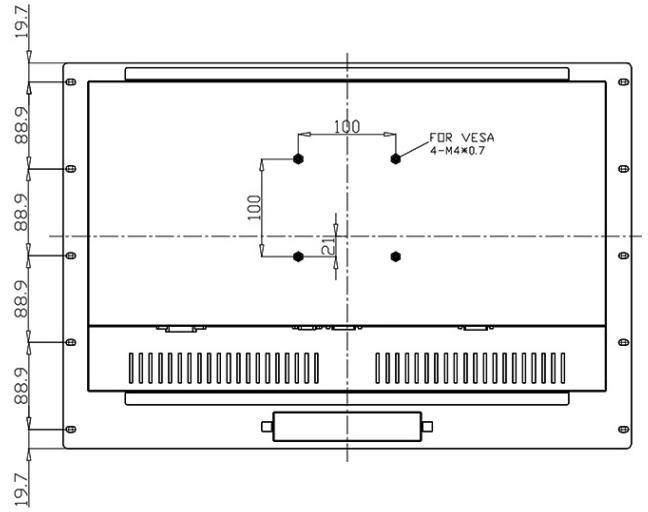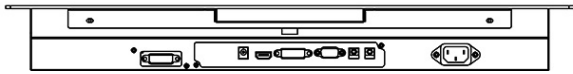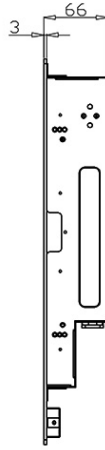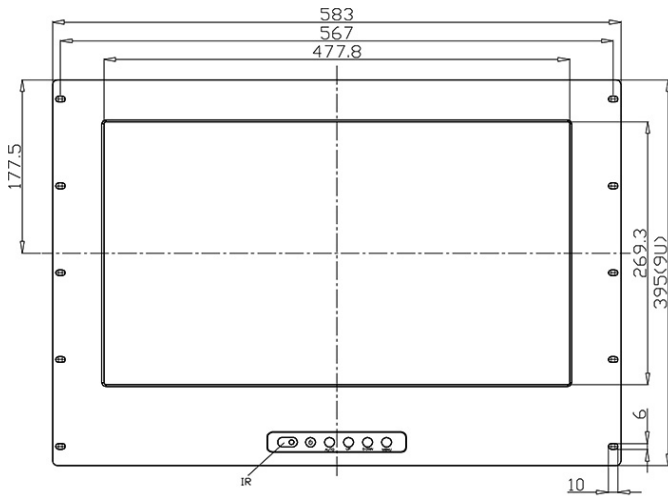* IP66 Water and Dust proof connection for a higher protection

Specification:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating	
	Aspect Ratio / Size	Wide / 21.5" viewable diagonal area	
	Active Area / Pixel Pitch	476.64(H) x 268.11(V) mm / 0.248(H) x 0.248(V) mm	
	Native Resolution / Colors	1920(H) x 1080(V) / 16.7M	
	Brightness / Contrast	250 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) , 1 x DVI, 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	26.25 watt , < 1 watt (Support DPMS)	
Operating Condition	Temperature / Humidity	- 20°C ~ 55°C (- 4°F ~ 131°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.	8 Kgs / 9 Kgs	
Container Loaded	20ft / 40ft / 40ft HQ	TBD (Sets , By pallet)	

5 Wires	Resolution	2048 x 2048
Resistive Touch	Touch Method	Finger, gloved hand or any other pointer
	Touch Accuracy	± 2mm (for 42" screen) over 90% of the touch sensitive area

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

Mechanical Drawing:

LCD Options:

LED Backlight Options
Introducing LED backlight options for monitors for energy efficiency and a brighter screen.
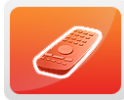
VIDEO Input Options:

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