MILITARY FLASH MOUNT

Military Grade, Flush Mount LCD display, IP65 on front side, IP50 on rear side LCD Panel with 19"-1280x1024, LED-250nits VGA+HDMI+DP signal input ports 5 wires Resistive Touch, USB interface OSD on Front Bezel
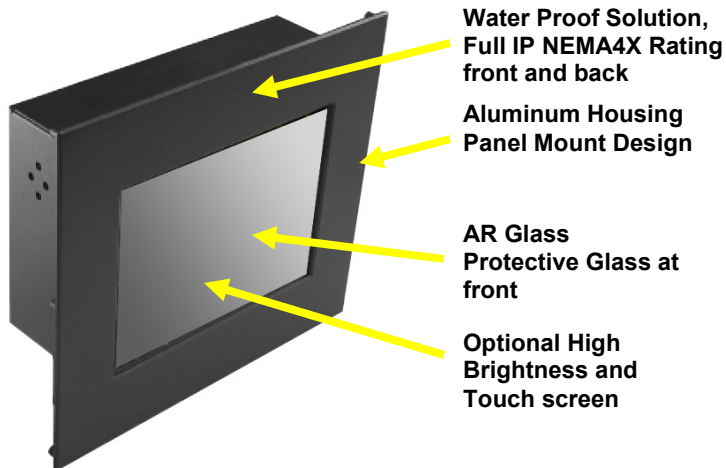
MODEL: EMFM1900

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.
- VGA connector with optional AV,SV,AV-Looping
- Complete custom design/solution for OEM customers
- Optional: MIL connector / M12 connector / Plastic IP66 water resistance connector
- Comply with MIL-STD-901D with A grade
- Comply with MIL-STD-461E
- MIL-STD-810G Method 514.6 Vibration
- MIL-STD-810G Method 516.6 Shock
- VR-Knob on Front Bezel for full 0~100 dimming

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 Panel Mount LCD Monitor

Water Proof Solution, Full IP NEMA4X Rating front and back

Aluminum Housing Panel Mount Design

AR Glass Protective Glass at front

Optional High Brightness and Touch screen

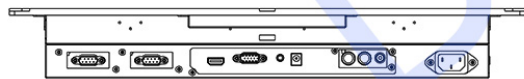* IP66 Water and Dust proof connection for a higher protection
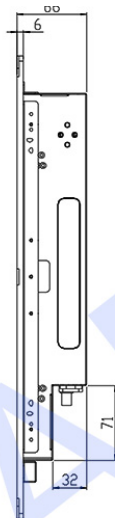
Specification:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low re lection coating	
	Aspect Ratio / Size	4 : 3 / 19" viewable diagonal area	
	Active Area / Pixel Pitch	376.3(H) x 301.1(V) mm / 0.294(H) x 0.294(V) mm	
	Native Resolution / Colors	1280(H) x 1024(V) / 16.7 M	
	Brightness / Contrast	250 cd/m^2 (typ) / 800 : 1	
	Response Time	< 5 ms	
	Viewing Angle (typical)	H. 170° (- 85° ~ + 85°) , V. 160° (- 80° ~ + 80°)	
	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 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	Dual power system for either 120VAC@60Hz or 24VDC input		
Power Consumption	Operation / Power Saving	32.5 watt , < 2 watt (Support DPMS)	
Operating Condition	Temperature / Humidity	0°C ~ 55°C (32°F ~ 122°F) , 0% ~ 95% (no condensation)	
Storage Condition	Temperature / Humidity	- 20°C ~ 60°C (- 4°F ~ 140°F) , 0% ~ 95% (no condensation)	
Certification		FCC , CE	
Dimensions	Physical	Please refer to Drawing	
	Carton	W x H x D = TBD	
Weight	N.W. / G.W.	6 Kgs / 7 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

Mechanical Drawing:

470
466
8-Ø6.5
198
303
440
218
230
378
71
32
6
66

4-M4×0.7P
For VESA
100
100
20

426
176.5
374

CUTOUT DIM.

DRAFT
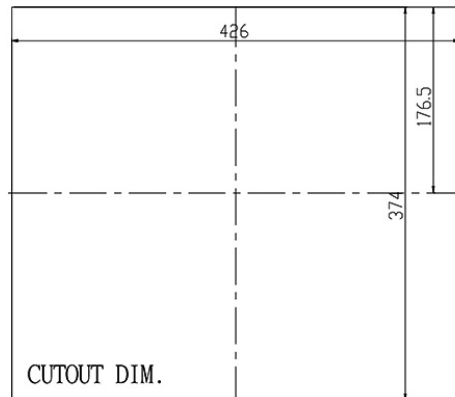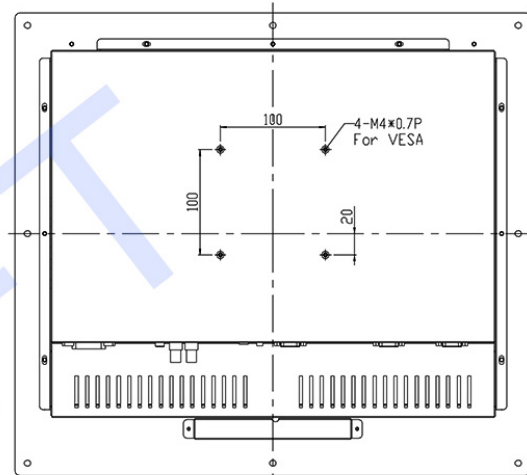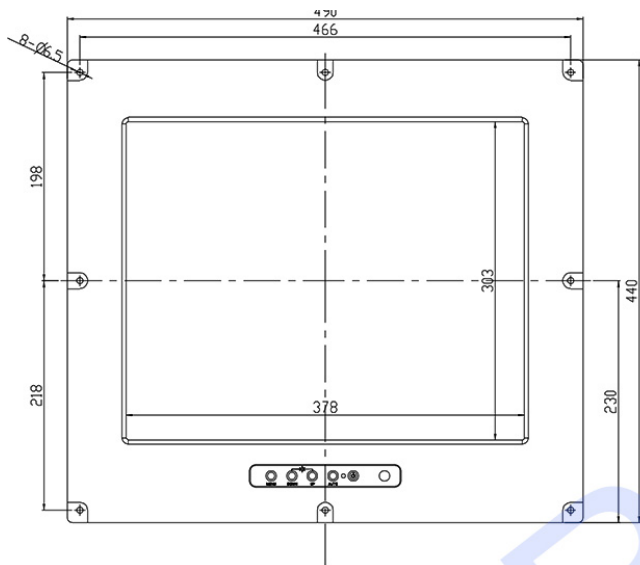
LED Backlight Options

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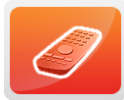
VIDEO Input Options:

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