

# MILITARY GRADE CHASSIS LCD MONITOR



19" LCD Monitor, 1280x1024, LED-1000nits, WV(178°/178° MVA), VGA, DVI, HDMI Comply MIL-STD-810G Vibration and Shock (9G 11ms shock test.) Shock – MIL S 901D (Power 9~36V DC Terminal block)

**Model: EMCM1900HBWV-DC-H**

## 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
- VGA connector with optional AV,SV,AV-Looping
- Comply MIL-STD-810G vibration and shock (9G 11ms shock test.)
- Shock - MIL S 901D
- Optional: MIL connector / M12 connector / Plastic IP69 water resistance connector

## 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



## SPECIFICATION:

Cell Type	TFT LCD	
Glass Surface	Black Anti-Glare, low reflection coating	
Aspect Ratio	5 : 4	
Size	19" viewable diagonal area	
Active Area	376.3(H) x 301.1(V) mm	
Pixel Pitch	0.294(H) x 0.294(V) mm	
Native Resolution	1280(H) x 1024(V)	
Colors	16.7 M	
Brightness	1000	
Contrast	800 : 1	
Response Time	≤ 5 ms	
Viewing Angle (typical)	H. 178°, V. 178°	
Light Source	LED backlight, Long life, 35,000 hrs (typ)	

Input Sources		
PC System	Signal	Analog RGB (0.7/1.0 V, 75 ohms)
	Sync	Separate Sync, Composite Sync, Sync On Green
	Frequency	F: 30 - 82Khz , F: 50 -75Hz
Audio System	2W speaker	x 2

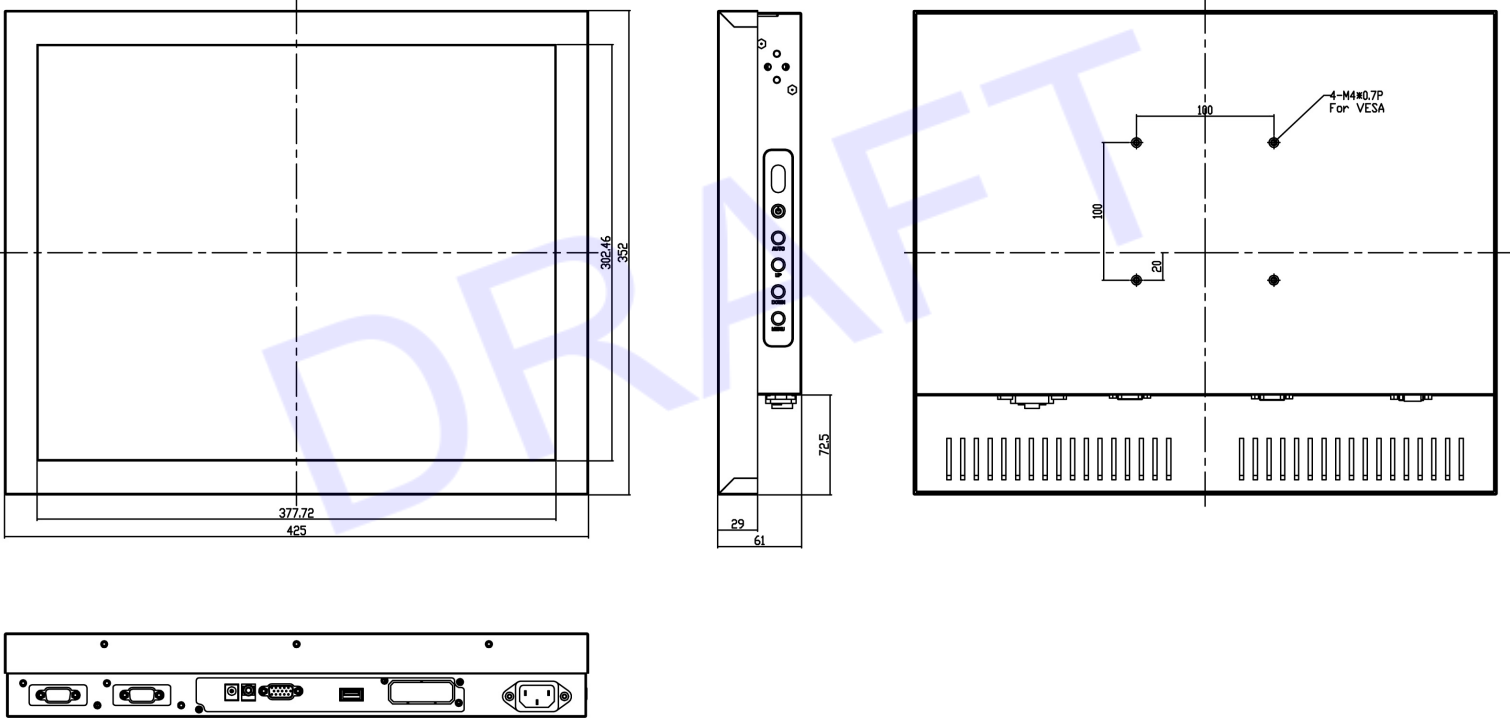
*\*Specifications subject to change without notice, not responsible for typographical errors.*

<b>CERTIFICATION</b>	
FCC , CE	
<b>INPUT TERMINALS</b>	
1 x VGA, 1 x DVI, 1 x HDMI	
<b>CONVENIENT FEATURES</b>	
Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B) , OSD Multi-Languages , Wall Mount Ready (VESA Dimension - please refer to Drawing)	
<b>POWER</b>	
9~36V DC	
<b>POWER CONSUMPTION</b>	
Operation / Power Saving	33 watt , < 2 watt (Support DPMS)
<b>OPERATING CONDITION</b>	
Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)
<b>STORAGE CONDITION</b>	
Temperature / Humidity	-20°C ~ 60°C (-4°F ~ 140°F) , 10% ~ 90% (no condensation)
<b>DIMENSIONS</b>	
Physical	<nil>
Carton	W x H x D = TBD
<b>WEIGHT</b>	
N.W. / G.W.	6 Kgs/7 Kgs
<b>CONTAINER LOADED</b>	
20ft / 40ft / 40ft HQ	TBD (Sets , By pallet)

<b>TOUCH</b>	<b>VIDEO INPUT</b>	<b>ENHANCED PANEL</b>	<b>POWER</b>	<b>OTHERS</b>
Resistive Touch	AV-IN	High Brightness Panel	24V DC-IN	Motion Sensor
Projected Capacitive Touch	AV Looping	Sunlight Readable	9~36V DC-IN	Light Sensor
Infrared Touch	HDMI / DP	Wide Viewing Angle	48V 72V DC-IN	VR-knob Dimming
Protected Glass	HD-SDI	Wide Temperature	90V 125V DC-IN	RS232 Remote On/Off
Optical Bonding		UV Film	110V 220V DC-IN	Military Connector: MIL 38999
		Anti-Vandal		Metal Connector: M12 / M16
				Stainless 316 Enclosure

# MECHANICAL DRAWING:

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



Drawing No.: EMCM1900HBWV-DC-H-09202023-V1