

Panel Mount Monitors

PMW Series - Open Frame Construction / 4K LED-LCD Display

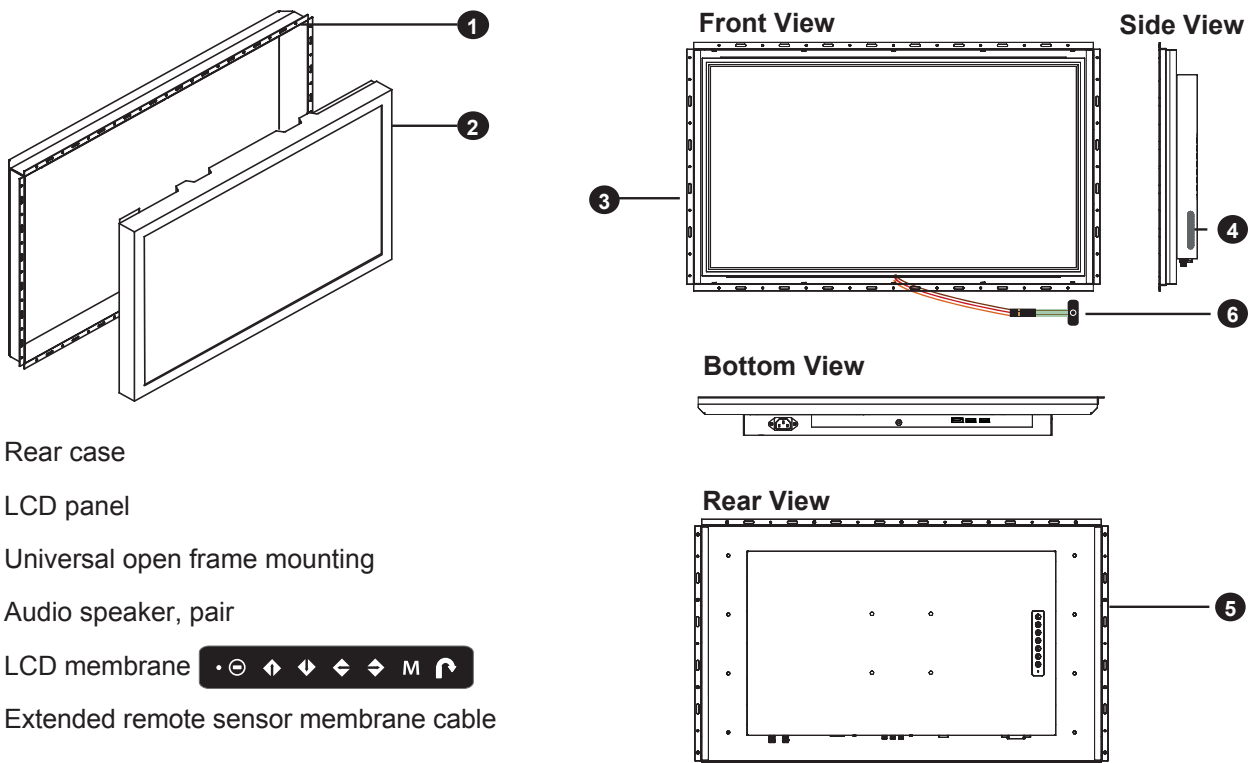
Introduction

The PMW panel mount series features an open frame metal construction and a 4K LED-LCD display that delivers stunning picture qualities. In addition, the 3840 x 2160 resolution makes these monitors suitable for its use in automation control and CCTV monitor applications. The PMW monitors are constructed of industrial metal, which ensures the monitors durability and protects it from shock and vibration. There are also options available for a resistive or capacitive type touch screen, HDMI / BNC / S-Video video signal input, quad display, and TV tuner with a remote controller. Furthermore, all PMW monitors are CE & FCC certified and RoHS2 & Reach compliant.

The PMW monitors come in seven screen sizes ranging from 15-inches to 55-inches and have a max resolution of 3840 x 2160. The monitors are designed with DP 1.2 / HDMI 2.2 & HDMI 1.4 video inputs and a power on/off switch and OSD membrane switch on the back of the panel. The OSD function lets users adjust the LCD monitor for brightness, contrast, phase & clock, H&V position. There are also options available for a 3G-SDI, HDMI Decoder/Receiver, and an MCS multi-display OSD menu control.

PMW open frame monitors come with a standard external auto-sensing 100 to 240VAC power adapter and the option for a 12, 24, 48, or 125V DC power supply. The monitors are also designed with an open frame metal construction and a rear rugged metal enclosure that is ready to mount with a panel or VESA mount (100 mm / 300 mm / 600 x 400 mm).



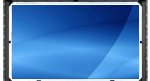
Structure Diagram






Panel Mount Monitors

PMW Series - Open Frame Construction / 4K LED-LCD Display


PMW Models & Specifications

Model Name	PMW7015	PMW7017	PMW7023
Structure			
Protection	Open frame	Open frame	Open frame
Front Panel	-	-	-
Rear Casing	Black, RAL 9005	Black, RAL 9005	Black, RAL 9005
VESA Mount	100 x 100 mm	100 x 100 mm	100 x 100 mm
Universal Mount	Ready	Ready	Ready
Panel Size (diagonal)	15.6-inch Widescreen TFT color LCD	17.3-inch Widescreen TFT color LCD	23-inch Widescreen TFT color LCD
Native Resolution	3840 x 2160	3840 x 2160	3840 x 2160
Brightness (typ.)	300	400	310
Contrast Ratio (typ.)	800:1	1000:1	1000:1
Colors	16.7 M, 8-bit	16.7 M, 8-bit	1.07 Billion, 10-bit
Viewing Angle (L/R/U/D)	89/89/89/89	89/89/89/89	89/89/89/89
Response Time (ms)	30	16	25
Dot Pitch (mm)	0.0897	0.0995	0.13725
Display Area (mm)	344.448H x 193.752V	382.12H x 214.94V	527.04H x 296.46V
Surface Treatment	Anti-glare	Anti-glare	Anti-glare
Surface Hardness	3H	3H	3H
Backlight Type	LED	LED	LED
MTBF (hrs)	20,000	20,000	30,000
Product (W x D x H) inch	15.9 x 1.9 x 10.2	17.2 x 1.9 x 11.4	22.9 x 2.3 x 14.2
Package (W x D x H) inch	24.2 x 4.4 x 20.6	24.2 x 4.4 x 20.6	25.9 x 4.6 x 25.2
Net Weight	3.5kg / 7.7 lb	3.4 kg / 7.5 lb	6.7 kg / 14.7 lb
Gross Weight	6.2 kg / 13.6 lb	6.2 kg / 13.6 lb	10.4 kg / 22.9 lb

Model Name	PMW7028	PMW7032	PMW7043
Structure			
Protection	Open frame	Open frame	Open frame
Front Panel	-	-	-
Rear Casing	Black, RAL 9005	Black, RAL 9005	Black, RAL 9005
VESA Mount	100 x 100 mm	300 x 300 mm	600 x 400 mm
Universal Mount	Ready	Ready	Ready
Panel Size (diagonal)	28-inch Widescreen TFT color LCD	31.5-inch Widescreen TFT color LCD	43-inch Widescreen TFT color LCD
Native Resolution	3840 x 2160	3840 x 2160	3840 x 2160
Brightness (typ.)	300	300	350
Contrast Ratio (typ.)	1000:1	1000:1	1000:1
Colors	1.07 Billion, 10-bit	1.07 Billion, 10-bit	1.07 Billion, 10-bit
Viewing Angle (L/R/U/D)	89/89/89/89	89/89/89/89	89/89/89/89
Response Time (ms)	25	20	12
Dot Pitch (mm)	0.181	0.181	0.2451
Display Area (mm)	620.93H x 341.28V	698.4H x 392.85V	941.184H x 529.416V
Surface Treatment	Anti-glare	Anti-glare	Anti-glare
Surface Hardness	3H	3H	2H
Backlight Type	LED	LED	LED
MTBF (hrs)	30,000	30,000	30,000
Product (W x D x H) inch	27.6 x 2.6 x 16.6	30.6 x 3.2 x 18.5	40.2 x 2.9 x 24.3
Package (W x D x H) inch	30.9 x 6.9 x 20.7	35.8 x 7.7 x 22.8	44.2 x 7.8 x 28
Net Weight	12.7 kg / 27.9 lb	16.4 kg / 36.1 lb	26.2 kg / 57.6 lb
Gross Weight	16.3 kg / 35.9 lb	21.2 kg / 46.6 lb	32 kg / 70.4 lb

Panel Mount Monitors

PMW Series - Open Frame Construction / 4K LED-LCD Display

Model Name	PMW7055
Structure	
Protection	Open frame
Front Panel	-
Rear Casing	Black, RAL 9005
VESA Mount	600 x 400 mm
Universal Mount	Ready
Panel Size (diagonal)	55-inch Widescreen TFT color LCD
Native Resolution	3840 x 2160
Brightness (typ.)	450
Contrast Ratio (typ.)	1200:1
Colors	1.07 Billion, 10-bit
Viewing Angle (L/R/U/D)	89/89/89/89
Response Time (ms)	12
Dot Pitch (mm)	0.315
Display Area (mm)	1209.60H x 680.40V
Surface Treatment	Anti-glare
Surface Hardness	2H
Backlight Type	LED
MTBF (hrs)	30,000
Product (W x D x H) inch	50.9 x 3.3 x 30.4
Package (W x D x H) inch	57.3 x 8.3 x 36.1
Net Weight	33 kg / 72.6 lb
Gross Weight	43 kg / 94.6 lb

Environmental Conditions	
Operating	Temperature: 0 to 55°C degree
	Humidity: 0~90%, non-condensing
	Altitude: 16,000 ft
Storage/ Non-operating	Temperature: -20 to 60°C degree
	Humidity: 5~90%, non-condensing
	Altitude: 40,000 ft
Shock	10G acceleration (11ms duration)
Vibration	10~300Hz 0.5G RMS random vibration

Power	
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz
Consumption	Power consumption varies by model
Option	Option for 12 / 24 / 48VDC power supply

Audio	
Output Connector	3.5mm stereo jack
Resistance / Power Level	30kΩ / 2.8V
Speaker: Dual Stereo	2 x 2W or 2 x 10W (varies by model)

Power	
Input	Auto-sensing 100 to 240VAC, 50 / 60Hz
Consumption	Power consumption varies by model
Option	Option for 12 / 24 / 48VDC power supply

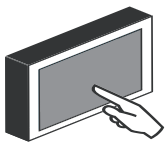
Options

3G / HD / SD-SDI Input



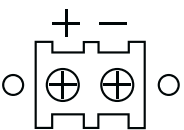
SDI input is an ideal solution for the broadcast-grade video and high resolution CCTV market. A SDI input module can support up to 1080p @60Hz resolution without using additional space or power.

Touchscreen & Driver



Model: **IR10** Multi-touch
Technology: Infrared
Touch Point: 10
Touch Point Accuracy: ± 2 mm
Response Speed: ≤ 15 ms

DC Power



Option 1: 24V
• Input Range: 18 ~ 37V
Option 2: 48V
• Input Range: 36 ~ 75V
Option 3: 125V
• Input Range: 66 ~ 160V

MCS (Multi-display Control)



The RS-232C is used for the communication between the PC and the first display via a 15 feet serial cable while the CAN bus is used for the various LCD displays cascade together via CAT 5/6 cable, and daisy chain up to 1,000 meters.

MIL-Type or Lockable Connector



MIL-Type Connector

Input: DC Power (Male)

MIL Standard: MIL - DTL - 26482



MIL-Type Connector

Input: VGA (Male)

MIL Standard: MIL - DTL - 26482



Lockable Connector

Input: DC Power (Male)

Standard: D-type 3W3



Lockable Connector

Input: USB

Standard: ---