

# MDM Series 15"/17"/19" Multimedia Industrial Grade TFT LCD Monitor



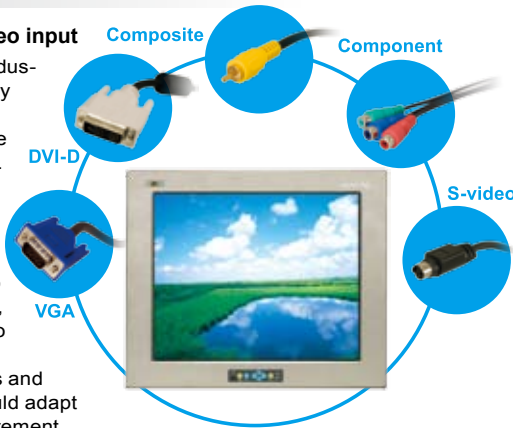
## Features

- 15", 17", 19" TFT LCD Monitor
- 5-in-1 Multiple video input supports DVI-D, Analog VGA, Component, Composite and S-Video interfaces suitable for most devices currently in use
- Picture in Picture function
- Ambient Light Sensor intelligently adjusts brightness according to ambient light
- Remote control for OSD function
- IP 65 waterproof aluminum front panel
- OSD lock secures your settings
- IP 65 waterproof aluminum front panel



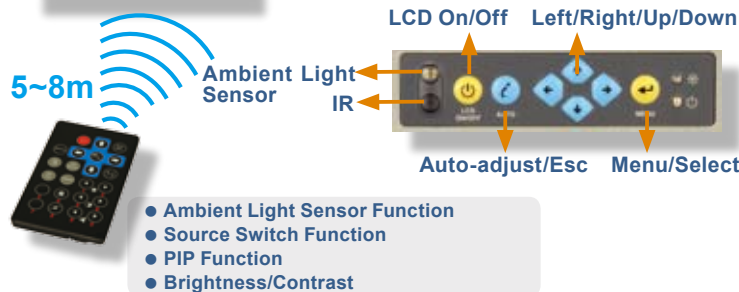
## Convenience

**5-in-1 Multiple video input**  
IEI's new series of industrial multimedia display monitors are highlighted by their diverse video input interfaces. The 5-in-1 input interface design supports VGA, DVI-D, Component Video, Composite Video and S-Video video input interfaces, that easily connects to most PCs, embedded systems, DVD players and other devices and could adapt more appliance requirement.



### Remote Control for OSD Function

OSD functions are accessed via a water proof keys on the front panel. Front panel OSD functions simplify system configuration. The remote control that comes with the monitor is equipped with its own OSD functions that allows users to configure the monitor from remote locations.

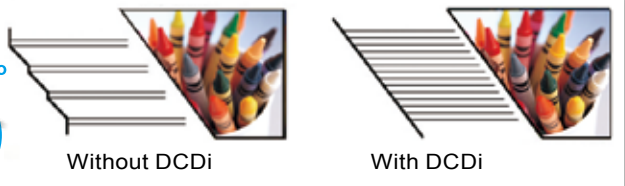


- Ambient Light Sensor Function
- Source Switch Function
- PIP Function
- Brightness/Contrast

## Superior Image Quality

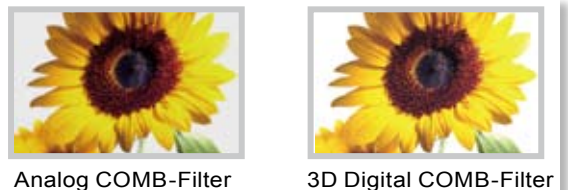
### DCDi Edge Processing

Eliminates the jagged edges along diagonal image lines resulting from video interpolation.



### 3D Digital COMB-Filter

3D Digital comb filter ensures perfect color separation in the finest details by removing cross color and dot interference.



### Response Time Compensation

MDM monitors feature fast response time compensation that affects the quality of dynamic images on the screen, resulting in motion images that are clean and crisp.



## Uniqueness

### Ambient Light Sensor

With a smart sensor that auto-detects the amount of light in the viewing environment and auto-adjusts the brightness of the screen.

- Power Consumption Saving
- Avoid Eye Strained and Tired
- Extend Lamp Lifetime



Dimly Lit Room



Well Lit Room

### Variable PIP window up to 640 X 480



Size One



Size two



Size Three



Size Four

PIP also allows users to change the position in four forms.



Position 1



Position 2



Position 3



Position 4

## Reliability

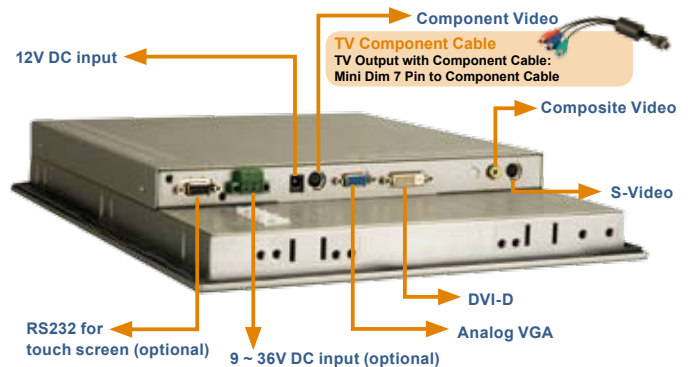
### IEI Real Color Control

Due to panel manufacturing processes, inconsistencies may arise in an LCDs image quality.

To ensure each panel produced conforms to the highest industry standards for consistent image quality, each panel is tested by IEI's unique color correction system based on gamma curve, gray balance, and white balance, and white balance measurement standards. IEI is proud to be the only manufacturer in the IPC industry to completely color correct every panel produced.



## I/O PORT

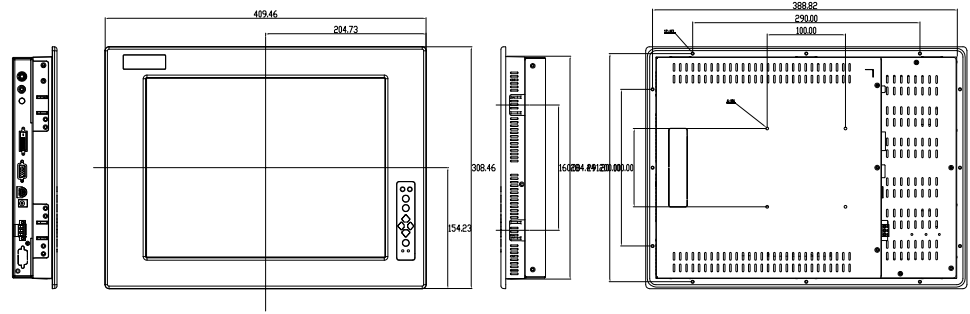


## Specifications

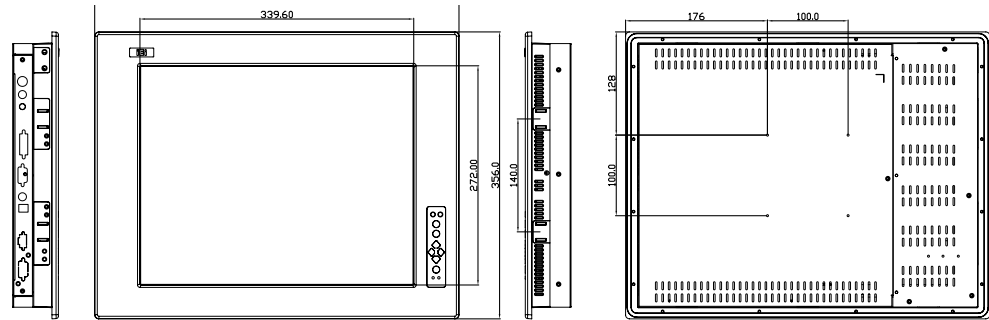
Model	MDM-150S-R11	MDM-170S-R11	MDM-190S-R11
LCD Size	15"	17"	19"
Input Interface	Analog VGA \ DVI-D \ Component Video (Y/Cr/ Cb) \ Composite \ S-Video		
Max Resolution (H/V)	1024 x 768 (XGA)	1280 x 1024 (SXGA)	1280 x 1024 (SXGA)
Brightness (cd/m <sup>2</sup> )	350	300	300
Contrast Ratio	400:1	500:1	700:1
Display Color	262K	16.2M	16.2M
Pixel pitch (mm)	0.297	0.264	0.294
View Angle (H/V)	120/100	140/130	140/130
Lamp Life Time	50000hrs		
Front Frame	Aluminum		
Chassis	Heavy-duty steel		
Input Voltage	12VDC or 9VDC~36VDC(optional)		
OSD function	Ambient Light Sensor/Display control/Image Control/ PIP Control/PIP color Control/System control/OSD configuration		
Smart OSD	Yes		
Mounting	Wall/Panel/Rack/Arm(100X100)/Stand		
Net Weight	5.2 Kg	7.5 Kg	9.6 Kg
Dimension (W x H x D mm)	410 X 309 X 65.1	452.0 X 356.0 X 65.2	482 X 399 X 73
Operating Temperature	0°C~50°C		
Front Panel Protection	IP65 Compliant		

### Dimensions

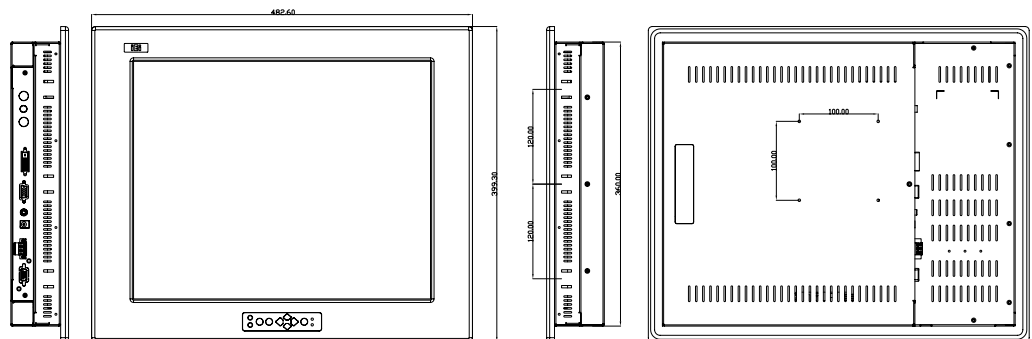
#### MDM-150S



#### MDM-170S



#### MDM-190S



### Mounting Kits Information

	MDM-150S	MDM-170S	MDM-190S
Panel Mount Kits	PK-170M		PK-190M
Wall Mount Kits	WK-190MS-R10		
Rack Mount Kits	RK-150MS-R10	RK-170MS-R10	RK-190MS-R10
LCD Monitor Arm	ARM-31	ARM-31	ARM-31
LCD Monitor Stand	STAND-200-RS	STAND-200-RS	STAND-200-RS

## Packing List

1xMDM-150S / MDM-170S / MDM-190S industrial LCD monitor	1xRemote Control Bracket
1xDVI Cable	1xAC Power Cable
1xVGA Cable	1xWire Strain Band
1xRemote Control	1xScrew Set
1xComponent Cable	1xPower Cable for Terminal Block( for M model)
1xUser's Manual-CD-ROM	1xTouch Screen RS-232 Cable/Touch Pen/ Driver CD-ROM( for T-R model)
1x45W AC Power Adapter	1xTouch Screen USB Cable/Touch Pen/Driver CD-ROM (for USB/T-R model ).

## Ordering Information Note: The smartOSD function is supported by revision 11 models and above

### MDM-150S

Part No.	Description
MDM-150S-R11/T-R	15" 350 cd/m <sup>2</sup> XGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with touch scree, RoHS
MDM-150MS-R11/T-R	15" 350 cd/m <sup>2</sup> XGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and touch screen, RoHS
MDM-150S-USB-R11/T-R	15" 350 cd/m <sup>2</sup> XGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with USB touch screen, RoHS
MDM-150MS-USB-R11/T-R	15" 350 cd/m <sup>2</sup> XGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and USB touch screen, RoHS

### MDM-170S

Part No.	Description
MDM-170S-R11/T-R	17" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with touch scree, RoHS
MDM-170MS-R11/T-R	17" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and touch screen, RoHS
MDM-170S-USB-R11/T-R	17" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with USB touch screen, RoHS
MDM-170MS-USB-R11/T-R	17" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and USB touch screen, RoHS

### MDM-190S

Part No.	Description
MDM-190S-R11/T-R	19" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with touch scree, RoHS
MDM-190MS-R11/T-R	19" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and touch screen, RoHS
MDM-190S-USB-R11/T-R	19" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with USB touch screen, RoHS
MDM-190MS-USB-R11/T-R	19" 300 cd/m <sup>2</sup> SXGA LCD Monitor with VGA, DVI-D, S-video, composite, component video (Y / Cr / Cb) inputs, integrated auto-dimming and remote control, aluminum front panel with silver color, equipped with 9~36V DC in and USB touch screen, RoHS