

AWM3VR

ALL-WEATHER MONITOR SERIES with RGB, RS-170 INPUT

The AWM3VR display series when compared with the AWM2, offers a slimmer profile and industry standard PC connectors. Multiple mounting options allow for easy integration into confined spaces typically found in rugged industrial and mobile applications.

STANDARD FEATURES

- RS-170 Inputs (3)
- Analog VGA Video Input (1)
- Video Output via BNC (1)
- SVGA Resolution (800x600)
- Auto Sensing NTSC/PAL
- Picture-In-Picture (PIP)
- Sealed Connectors*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 8.4", 10.4", 12.1" and 15.0" TFT AMLCD
- User Configurable Power/Brightness Settings



* Cables not included

OPTIONAL FEATURES

- Resistive Touch Screen (USB or RS232 Interface)
- USB Pass-through with Sealed Connector
- XGA Resolution (1024x768)

MOUNT OPTIONS

(Quoted individually)



Flush



Panel



RAM



LCD SIZE	RESOLUTION	BRIGHTNESS	VIEWING ANGLE	CONTRAST RATIO	MAXIMUM POWER CONSUMPTION
8.4" TFT AMLCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4" TFT AMLCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4" TFT AMLCD (Optional)	XGA (1024x768)	1000 nits	160° (H) x 130° (V)	700:1	20 Watts
12.1" TFT AMLCD	SVGA (800x600)	550 nits	160° (H) x 140° (V)	600:1	20 Watts
12.1" TFT AMLCD (Optional)	XGA (1024x768)	1000 nits	160° (H) x 140° (V)	600:1	20 Watts
15.0" TFT AMLCD	XGA (1024x768)	800 nits	160° (H) x 140° (V)	800:1	40 Watts
TECHNICAL SPECIFICATIONS					
Display	8-bit color, 16,777,216 colors, TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)				
Dimming Ratio	3000:1				
Video Inputs	VGA (1); RS-170 (3)				
Connectors*	<ul style="list-style-type: none">▪ DB-15 - VGA Video▪ MIL-C Power (3-pin)▪ DB-9 Touch (optional)▪ USB Type-A (optional)				
Housing	Milled AL, Black Anodized, UV Clear Coat				
Mount Options	Flush, Panel or RAM: Quoted individually.				
Wide Range DC Power Input†	10-36 VDC (12, 24, 28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
ENVIRONMENTAL SPECIFICATIONS					
IP Rating	IP67 (NEMA 6 Submersible)				
Operating Temperature	-30°C to 71°C (-22°F to 160°F); (-20°C (-4°F) with Touch Option)				
Storage Temperature	-51°C to 71°C (-60°F to 160°F)				
Humidity	0-100%				
Shock	50 G				
Vibration	5.8 G (5-500 Hz)				
Altitude	45,000 ft.				
EMI	Designed to meet FCC B, CE				

* - Composite video cable not included; compatible with standard video cable. MIL-DTL-26482 Series I, 3-pin power cable mate and strain relief are included. Part#: PT06E833SSR.

† - Power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.

AWM3VR SERIES(J)© 3/2019



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