

Sealed Display
15" LCD MONITOR
RGB Input

AWM15R

Series II

WWW.DIGITALSYS.COM

Standard Features

- Analog RGB Video Input
- Auto Scaling VGA to UXGA
- 15" TFT AM LCD XGA (1024 x 768)
- Brightness Range 10-800 nits
- Transflective Enhancement
- Antireflective / Antiglare Surface Treatments
- Button OSD User Interface
(MIL-PRF-22885; 1 million+ actuations)
- Milled AL Case, sealed to IP67 / NEMA 6
- Black Anodized Finish
- IP67 Anticorrosive Metal Sealed Connectors
- Industry Standard PC Connection
- Wide Range Input (10-36 VDC) (MIL-STD-1275)
- Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
- 40 Watts Maximum Power Consumption

Optional Features

- USB Pass-through with IP67 Sealed Connector
- Analog Resistive Touch Screen
- Night Vision Goggle Filter (MIL-STD-3009)
- Flush Mount Bezel, IP67 Sealed
- Panel Mount, IP67 Sealed
- 19" Rack Mount
- External VAC 120/240 Power Supply



DSE's harsh-duty All Weather Monitor (AWM) is a flat panel display, engineered to survive the most demanding applications. Designed to be rugged, the AWM handles a wide-range of extreme environments making it the industry choice for mobile applications. Housed in a milled billet aluminum case, the slim-profile AWM is light weight and watertight, with fully sealed connectors. Front-mounted controls and the optional touch screen make the monitor user-friendly. The AWM incorporates the latest optical engineering to achieve optimum viewability in all lighting conditions, including direct sunlight. The AWM's power efficient, low heat design results in increased reliability and longevity required for mission critical deployment.



PUBLIC SAFETY



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SERVICE & UTILITIES



HEAVY EQUIPMENT



LOGISTICS



FOOD PROCESSING



PHARMACEUTICAL

DIGITAL SYSTEMS ENGINEERING

TECHNICAL SPECIFICATIONS

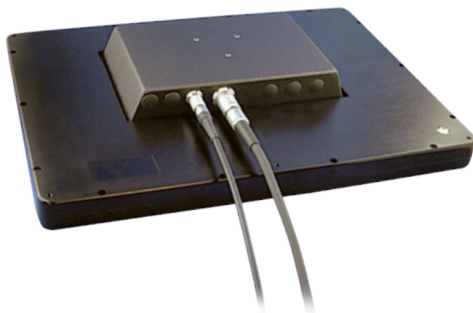
Display	15" TFT AM, XGA, LCD, 16M Colors
Sunlight Readable*	800 nits, Transflective, AR/AG
Contrast Ratio	350:1
Dimming Ratio	100:1 1000:1 (optional LED)
Viewing Angle (typical)	160° (H) x 105° (V)
Video Input	RGB
Connectors	IP67 Fischer High Density to DB-15 JAE to Flying Leads DC Input JAE to DB-9 Touch (optional) JAE to USB Port (optional)
Housing	Milled Aluminum, Black Anodized, UV Clear Coat
Mounting	Flush, Panel, 19" Rack or RAM Mount (Standard)
Wide Range DC Power Input	10-36 VDC (12, 24, 28 VDC nominal) MIL-STD-1275
Power Conditioning	Internal Short Circuit Protection Load Dump Protection Over Voltage Protection Reverse Polarity Protection
Power Consumption	40 Watts Max

ENVIRONMENTAL SPECIFICATIONS

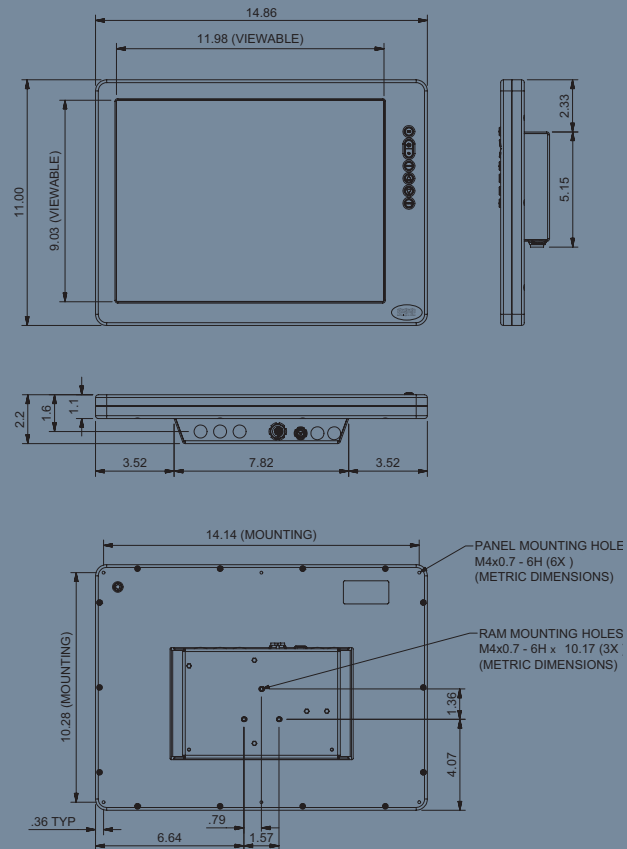
IP Rating	IP67 (NEMA 6 Submersible)
Operating Temperature	0°C to 50°C (32°F to 122°F) (Designed to meet MIL-STD-810F)
Storage Temperature	-25°C to 60°C (-13°F to 140°F)
Humidity	0-100%
Shock	50 G
Vibration	5.8 G (5-500 Hz)
Altitude	45,000 ft.
EMI	Designed to meet FCC B, CE
Sunlight Readability	MIL-PRF-22885 (for push buttons)
Nighttime Readability*	MIL-STD-3009 Class B (Optional)

CABLES

Included	Power (3-pin), RGB, Touch*, USB* * Included only if option is ordered
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Pictured Left:
Standard AWMR Series with
Power and RGB Inputs.



DIMENSIONS	MILLIMETERS	INCHES
Height	280 mm	11.00"
Width	378 mm	14.86"
Depth (Main Case)	28 mm	1.10"
Connector Pod Depth	28 mm	1.10"
Weight	6.44 lbs ± .25 lbs 2.9 kg ± .1 kg	

* DSE's integrated NVIS options either produce near zero color shift or slight color shift for full sunlight readability. The integrated NVIS is MIL-STD-3009 compliant, and can be viewed with NVGs (Night Vision Goggles) through the entire brightness range. Dimming is not necessary to meet MIL-STD-3009, Class B NVIS requirements. Brightness levels will be reduced with the NVIS option.

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