

Sealed Display 8.4" LCD MONITOR LVDS Input

AWM08L

WWW.DIGITALSYS.COM

Standard Features

- Digital LVDS Video Input
- 8.4" TFT AM LCD SVGA (800 x 600)
- Brightness Range 5-800 nits
- Transflective Enhancement
- Antireflective / Antiglare Surface Treatments
- Milled AL Case, sealed to IP67 / NEMA 6
- Black Anodized Finish
- Single High Flex Cable for all connections
- IP68 Anticorrosive Metal Sealed Connectors
- Wide Range Input (8-36 VDC)
- Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity
- 12 Watts Maximum Power Consumption

Optional Features

- USB Pass-through with Standard A-Type Socket, unsealed (cancels IP67 on enclosure)
- Night Vision Goggle Filter (MIL-STD-3009)
- Flush Mount Bezel, IP67 sealed
- Panel Mount, IP67 sealed
- 19" Rack Mount
- Analog Resistive Touch Screen



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.



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FOOD PROCESSING



PHARMACEUTICAL

DIGITAL SYSTEMS ENGINEERING

TECHNICAL SPECIFICATIONS

Display	8.4" TFT AM, SVGA, LCD, 262K Colors
Sunlight Readable*	800 nits, Transflective, AR/AG
Contrast Ratio	320:1
Dimming Ratio	100:1
Viewing Angle (typical)	130° (H) x 115° (V)
Video Input	LVDS
Connectors	IP68 Fischer High Density to custom DB-25
Housing	Milled Aluminum, Black Anodized, UV Clear Coat
Mounting	Flush, Panel, 19" Rack, or RAM Mount (Standard)
Wide Range DC Power Input	8-36 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	12 Watts Max

ENVIRONMENTAL SPECIFICATIONS

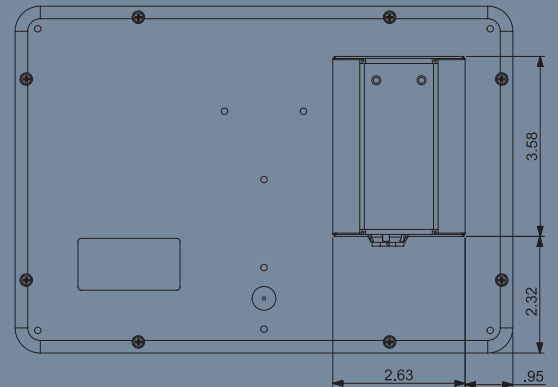
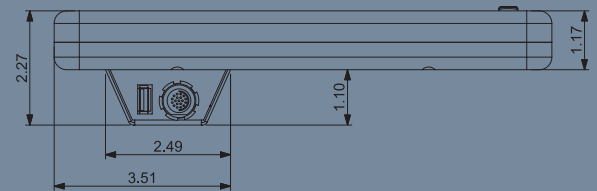
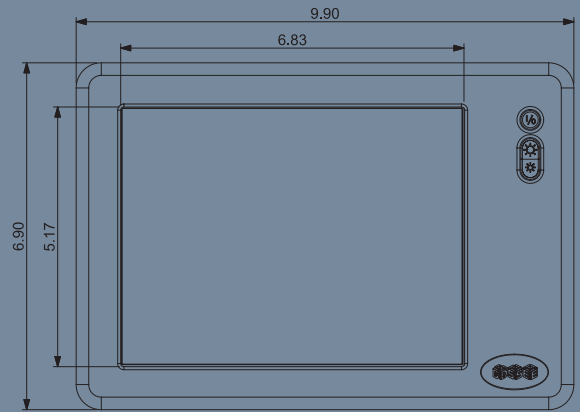
IP Rating	IP67 (NEMA 6 Submersible) *cancelled with Standard A-Type Socket
Operating Temperature	-30°C to 80°C (-22°F to 176°F) (Designed to meet MIL-STD-810F)
Storage Temperature	-30°C to 80°C (-22°F to 176°F)
Humidity	0-100%
Shock	50 G
Vibration	5.8 G (5-500 Hz)
Altitude	45,000 ft.
EMI	Designed to meet FCC B, CE
Sunlight Readability	MIL-PRF-22885
Nighttime Readability*	MIL-STD-3009 Class B (Optional)

CABLES

Included	Umbilical
Not Included	USB (with standard A-type socket)



Pictured Left:
Standard AWML Series
with LVDS and
unsealed USB Inputs.



DIMENSIONS	MILLIMETERS	INCHES
Height	176 mm	6.90"
Width	252 mm	9.90"
Depth (Main Case)	30 mm	1.17"
Connector Pod Depth	28 mm	1.08"
Weight	3.5 lbs ± .25 lbs 1.6 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.