

ALL WEATHER MONITOR

All Weather 15" Rugged Display, LVDS Input, XGA Resolution (1024 x 768), LED Backlight, Sunlight Readable, IP67 Sealed, 12-36Vdc

Model: DOD1500V2L



The slim-profile, lightweight DOD1500V2L all-weather monitor is housed in a billet aluminum enclosure with sealed connectors. Multiple mounting options allow for easy integration into confined spaces typically found in rugged industrial and mobile applications.

Standard Features

- (1) LVDS Input
- Sealed Connectors
- USB Pass-Through
- LED Backlight (Extreme 3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure

Optional Features

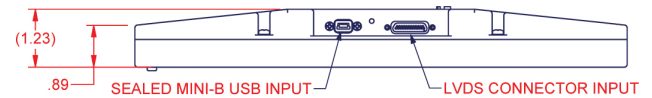
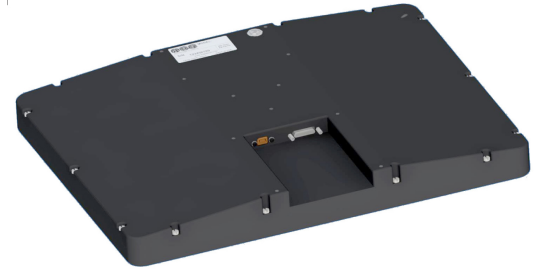
- Analog (RS232 or USB) Resistive Touch Screen
- XGA Resolution (1024x768)
- Internal Heaters

Mounting Options



Panel

RAM

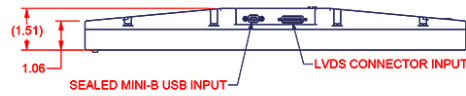
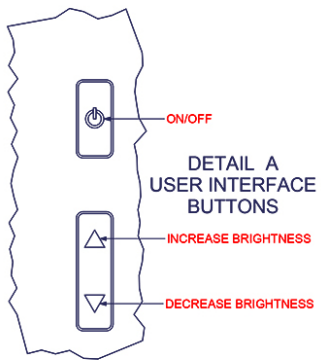
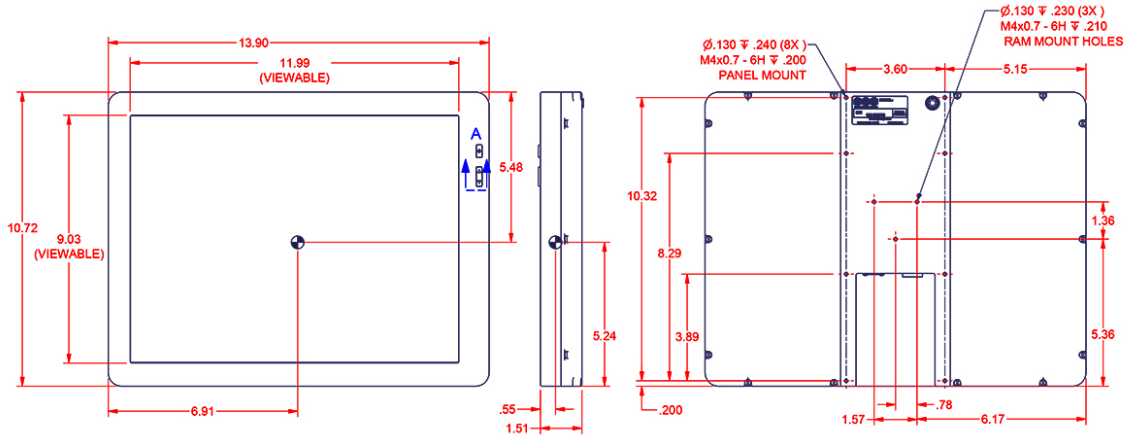


Specifications

LCD Size	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
15" TFT AM LCD	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 Input	LVDS (1)				
Connectors*	Molex, Amphenol				
Housing	Milled AL, Black Anodized, UV Clear Coat				
Mounting Options	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	-20°C to 71°C (-4°F to 160°F) - (-40°C with heater option)				
Storage Temperature	-51°C to 71°C (-60°F to 160°F)				
Humidity	0-100%				
Shock	50G				
Vibration	5.8 G (5-500 Hz)				
Altitude	45,000 ft.				
EMI	Designed to meet FCC B, CE				



Mechanical Drawings



MICRO D 25 PIN RECEPTACLE (LVDS)	
PIN	SIGNAL
1	RXD+ IN
2	RXD- IN
3	RX1+ IN
4	RX1- IN
5	RX2+ IN
6	RX2- IN
7	RXCK+ IN
8	RXCK- IN
9	GND
10	PWR VIN GND
11	PWR VIN GND
12	PWR +VIN
13	PWR +VIN
14	GND
15	USB0- RS-232 TXD (TOUCH)
16	USB0+ RS-232 TXD (TOUCH)
17	GND
18	USB1- (PASS THRU)
19	USB1+ (PASS THRU)
20	GND
21	PRE HEAT LED BEEPER CPU-HTR
22	PWR VIN GND
23	PWR VIN GND
24	PWR +VIN
25	PWR +VIN

PASS THRU USB RECEPTACLE (MINI-B USB)	
PIN	SIGNAL
1	USB +5V
2	USB1-
3	USB1+
4	N/C
5	GND

AMPHENOL#	P-MUSB-B151-05 (420353)
Mate #	
Strain #	
Cable Assy#	900283

MOLEX#	836149012
Mate #	834219014 (MOLEX)
Strain #	
Cable Assy#	900284