

ALL WEATHER FLUSH/PANEL MOUNT SUNLIGHT READABLE DISPLAY

10.4" Rugged Display, RGB Input, LED 1000nits Backlight, 10ft Cable Set, RAM Mount, IP67 Sealed, 12-36Vdc, HDRM RS-232 Touch Screen Option for (10.4" models), XGA (1024 x 768) LCD Upgrade, Internal Heaters for Low Temperature Operation, USB Pass Through Option.

Model: DOD1000R-AV-P-H

The slim-profile, lightweight 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

- VGA Input (1)
- XGA Resolution (1024x768)
- Auto Scaling VGA to UXGA
- Sealed Connectors*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 10.4" TFT AMLCD
- 10 ft. RGB, Touch and Power Cable Included

OPTIONAL FEATURES

- Resistive Touch Screen (USB or RS232 Interface)
- USB Pass-through with Sealed Connector
- External VAC 120/240 Power Supply



* - Standard cable length is 10 ft; inline amplifiers recommended for longer cable.

SPECIFICATIONS

LCD SIZE	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
10.4" TFT AM LCD	XGA (1024x768)	800 nits	160° (H) x 160° (V)	900:1	20 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)				
Connectors/Cable*	Sealed Fischer to High Density DB-15 JAE to Flying Leads DC Input JAE to DB-9 Touch (Optional) JAE to Type-A USB Touch (Optional) JAE to Type-A USB Pass-through (Optional)				
Housing	Milled AL, Black Anodized, UV Clear Coat				
Mount Options	Standard: Panel or RAM; Optional Flush or 19" Rack, 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 (-40°F) with heater 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				

*Specifications subject to change without notice, not responsible for typographical errors.

*- Standard cable length is 10 ft; inline amplifiers recommended for longer cable.

†- 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.

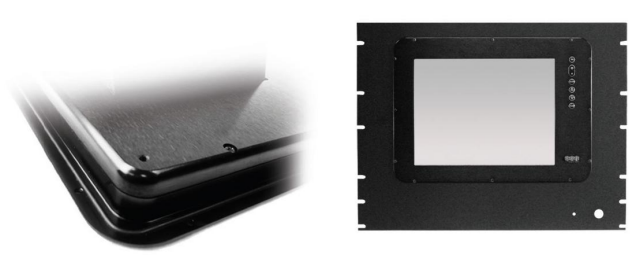
STANDARD



Panel Mount

RAM Mount

OPTIONAL

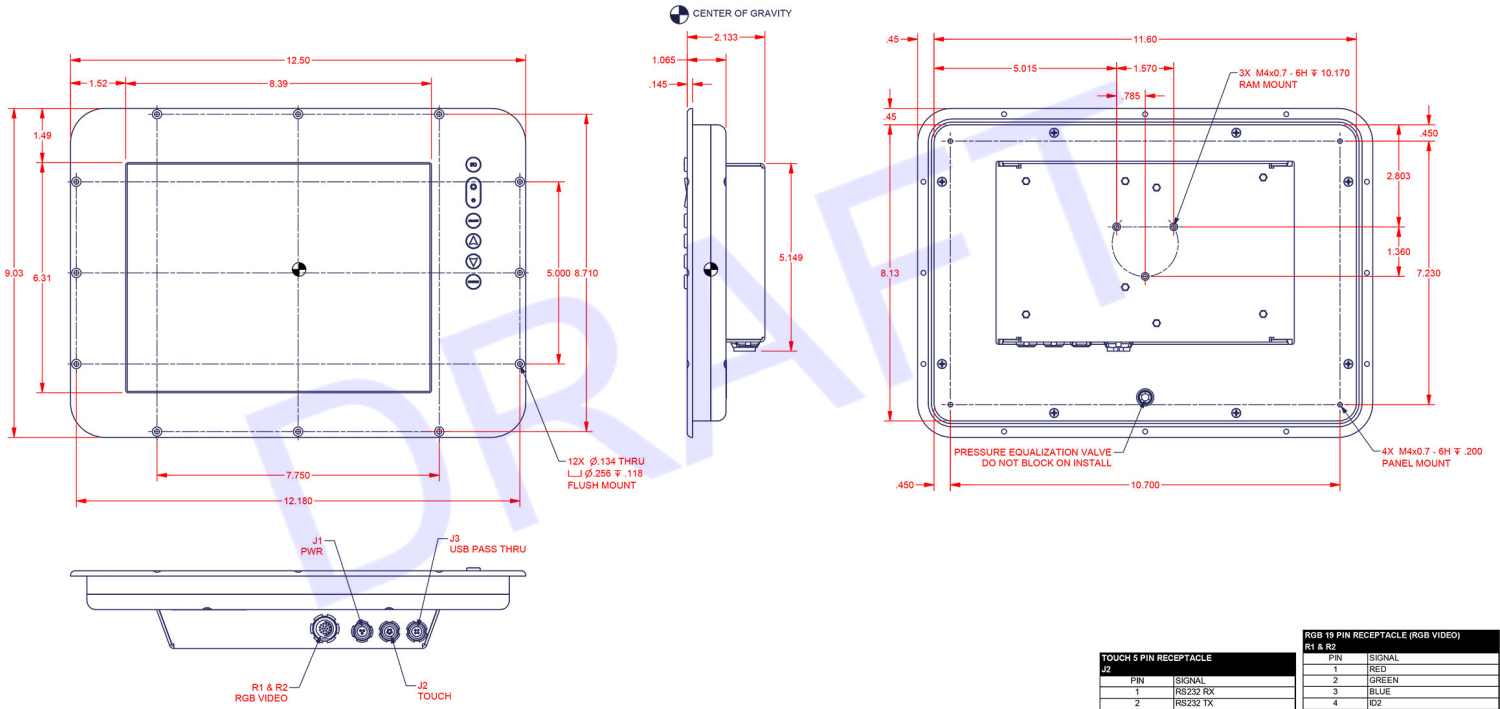


Flush Mount

Rack Mount

MECHANICAL DRAWINGS

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



USB PASS-THRU 4 PIN RECEPTACLE	
J3	
PIN	SIGNAL
1	USB01-
2	USB01+
3	5V+
4	PWR GND
JAE #	JB5CS04AM00 (730106)
Mate #	JB5DS04MM11 (730107)
Strain #	
Cable Assy#	

POWER 3 PIN RECEPTACLE	
J1	
PIN	SIGNAL
A	VDC
B	NC
C	GND
JAE #	JB5CS03AL00 (730108)
Mate #	JB5DS03ML11 (730109)
Strain #	
Cable Assy#	000375

RGB 19 PIN RECEPTACLE (RGB VIDEO)		
R1 & R2	PIN	SIGNAL
	1	RED
	2	GREEN
	3	BLUE
	4	ID2
	5	V-GND
	6	RED GND
	7	GREEN GND
	8	BLUE GND
	9	NC
	10	H-GND
	11	ID0
	12	ID1-GA
	13	H-SYNC
	14	V-SYNC
	15	NC
	16	ID0-CLK
	17	NC
	18	NC
	19	NC
FISCHER #	DBPU1042092-130 (141178)	
Mate #	S1042092-152+R6.5 (141178)	
Strain #	E3 104 2/7.7 +B (141177)	
Cable Assy#	000378B	

Drawing No.: DOD1000R-AV-P-H-06082023-V1