

# 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)	1000 nits	160° (H) x 160° (V)	900:1	20 Watts
<b>TECHNICAL SPECIFICATIONS</b>					
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	12-36 VDC (12,24,28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
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.

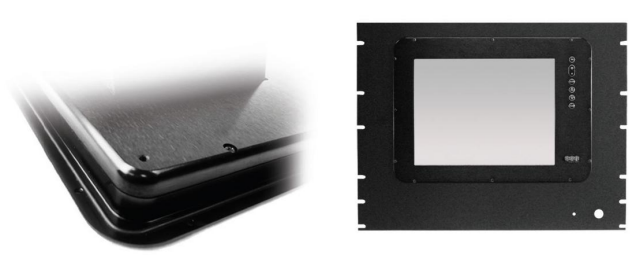
## STANDARD



Panel Mount

RAM Mount

## OPTIONAL

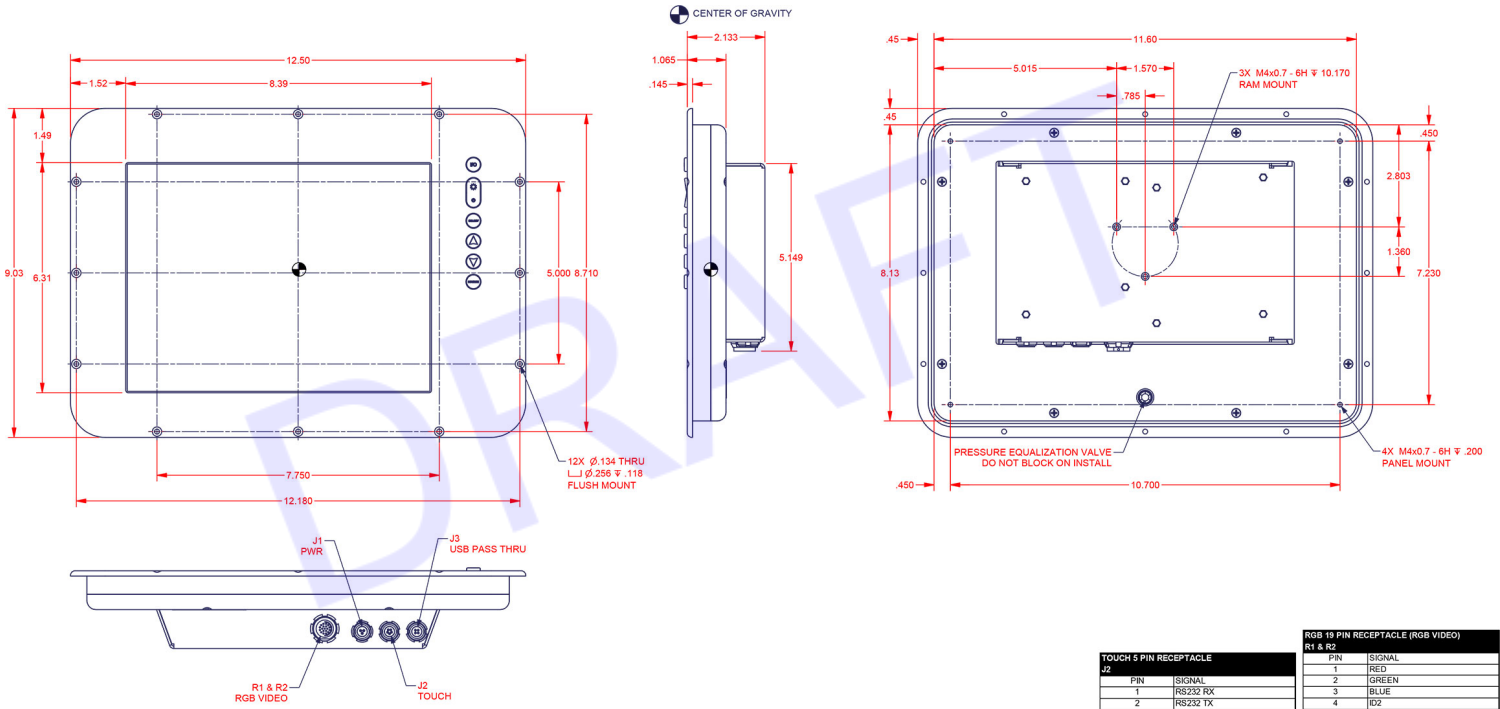


Flush Mount

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