

# DOT Series

PROGRAMMABLE DISPLAY - DVI-I & RS170 INPUTS



Highly ruggedized display offering ASCII or HEX code (via RS232 or RS422) protocol for control of external systems and/or internal display features. Multiple video and computer inputs (DVI-I, RS170, VGA) and multiple mounting options allow for easy integration within any rugged system.

## STANDARD FEATURES:

- (20) Tactile Programmable Buttons
- (4) RS170 Inputs, PIP Capable
- (1) RS170 Output
- (2) DVI-I/VGA Input
- SVGA Resolution (800x600)
- Auto Sensing NTSC/PAL
- MIL-C Power\*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 8.4", 10.4", 12.1" and 15.0" TFT AM LCD
- MIL-STD-461 Compliant
- MIL-STD-704 Compliant
- MIL-STD-810 Compliant
- MIL-STD-1275 Compliant

## PROGRAMMABLE BUTTON INTERFACE FEATURES:

- Integrated Button Assignment/Naming Capability
- Computer based software available for integration of existing code

## OPTIONAL FEATURES:

- Analog Resistive Touch Screen
- XGA Display Resolution (1024x768)
- NVIS MIL-STD-3009 Red/Green Compatible



\* Please note cables not included.

## MOUNTING



Front Mount



Panel Mount



RAM Mount



Side Mount



VESA Mount



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LCD Size	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
8.4" TFT AM LCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	TBD
10.4" TFT AM LCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	TBD
10.4" TFT AM LCD (Optional)	XGA (1024x768)	1,000 nits	160° (H) x 130° (V)	700:1	TBD
12.1" TFT AM LCD	SVGA (800x600)	550 nits	160° (H) x 140° (V)	600:1	TBD
12.1" TFT AM LCD (Optional)	XGA (1024x768)	1,000 nits	160° (H) x 140° (V)	600:1	TBD
15.0" TFT AM LCD	XGA (1024x768)	800 nits	160° (H) x 140° (V)	800:1	TBD
Technical Specifications					
Display	8-bit color, 16,777,216 colors				
Dimming Ratio	3000:1				
Video Inputs	RGB				
Video Outputs	(1) RS170				
Connectors*	MIL-C Connectors				
Housing	Milled AL, Black Hard Anodized				
Mounting	Panel, RAM, 75mm VESA Mount, Side Mount (12.1"-17.5" sizes)				
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	-40°C to 70°C (-40°F to 158°F)				
Storage Temperature	-50°C to 80°C (-58°F to 176°F)				
Humidity	0-100%				
Altitude	45,000 ft.				
Military Specifications					
MIL-STD-461	EMI				
MIL-STD-810	Method 501.4 II-Op; High Temperature				
MIL-STD-810	Method 502.4 II-Op; Low Temperature				
MIL-STD-810	Method 514.5; Procedure I, General Vibration				
MIL-STD-810	Method 516.5; Procedure I, Functional Shock				
MIL-STD-1275D	Vehicle Power Requirements				
MIL-STD-3009†	Optional NVIS Compatibility				
MIL-PRF-22885	Sunlight Readability for Push Buttons				
MIL-A-8625 Type III (Class 1 & 2)	Standard Finish				
MIL-PRF-22750F	Optional Painted Finish - Min. Qty Required				
MIL-DTL-26482	Connector (Qualified)				
MIL-DTL-38999	Connector (Qualified)				

- Please note cables not included.

- The 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.