

The TDM-D238 Series is a mission-critical 23.8-inch 4K rugged monitor engineered for harsh military and industrial environments. Compliant with MIL-STD-1275E, MIL-STD-461G, and MIL-STD-810H, it is designed for shipboard CIC, bridge consoles, shore-based C2, aircraft maintenance hangars, and USV/UGV front-line vehicle computer and C5ISR operations, delivering exceptional visual clarity with military-grade durability.



Product Highlights - Advantages and Benefits

- ▶ **Superior Optical Performance** : 23.8" 4K ultra-high-definition LCD display with 1500 nits brightness, AG treatment, and optical bonding for exceptional image detail and enhanced outdoor readability.
- ▶ **Military-Grade Certification** : Compliant with MIL-STD-704F, MIL-STD-1275E, MIL-STD-461G, and MIL-STD-810H.
- ▶ **Extreme Environment Reliability** : Wide operating temperature from -40°C to 70°C.
- ▶ **Enhanced Durability and Resistance** : Full-metal chassis and tempered cover glass for superior protection in harsh environments.
- ▶ **Secure Connectivity** : MIL-DTL-38999 and MIL-DTL-26482 military-grade connectors help prevent accidental disconnection in demanding environments.
- ▶ **Wide-Range Power Input** : Supports DC 9~36V wide-range power input for stable operation and seamless integration across military and vehicle-based platforms.

Specifications

I/O Connect

External I/O Port	1 x HDMI MIL-DTL-38999 Receptacle HDMIFTV7AG 1 x USB Type A for Touch by MIL-DTL-38999 Receptacle USBFTV7PE1G 1x DC Power Input by MIL-DTL-26482 Receptacle MS3114E8-4P 1 x GND Screw for Safety Grounding 1x Remote (COM) Display Control by MIL-DTL-38999 Receptacle 24WB35PN (Optional available) 1x SDI-Input & 1x SDI-Loopout 3G/ 12G (Optional available)
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COM(Optional available)



SDI(Optional available)

TDM-D238 Series

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Power Requirement

Power Input	DC 9~36V Wide Range Power Input
Power Supply	Universal AC/DC 24V/3.75A 90W Power Adapter w/ MIL-DTL-26482 Plug MS3116F8-4S

LCD

Max. Resolution	3840*2160
Contrast Ratio	1000 : 1
Max. Color	1.07 B
Luminance (cd/m2)	1000 nits
View Angle	89/89/89/89

Touch Screen

Type	P-cap Touch by USB
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Mechanical

Construction	Aluminum Bezel and Metal case
IP Rating	IP65 Front Side
Mounting	Rack Handle / Flush/ VESA Mount
Dimension	640.4(W) x 412.4(H) x 84(D) mm

Environment

Operating Temp	-20~70 °C · IEC-60068-2-1/2/14
Storage Temp	-30~70 °C
Humidity	10~90% @40 °C, non-condensing
EMC	MIL-STD-461G RE101/RE102, CE101/102, MIL-STD-1275E (Compliance)
Vibration	MIL-STD-810H, Method 514.8, Procedure I, 5~500Hz (Compliance)
Shock	MIL-STD-810H, Method 516.8, Procedure I, 20g 11ms (Compliance)

Ordering Information

TDM-D238 Series	23.8" 4K P-cap Touch Monitor, 1000nits, IP65 Front Bezel, HDMI, DC 9~36V Input, MIL-DTL-38999 I/O connectors, -20~70°
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