

The TDM-D240 Series is a mission-critical 24-inch rugged monitor engineered specifically for harsh military and industrial environments. Certified to MIL-STD-704F, MIL-STD-1275E, MIL-STD-461G, and MIL-STD-810H standards. Designed for shipboard CIC, bridge consoles, shore-based C2, aircraft maintenance hangar, and USV/UGV front-line vehicle computers and C5ISR operations, offering high performance optics with military-grade durability.



Product Highlights - Advantages and Benefits

- ▶ **Superior Optical Performance** : Features a 24" 1920 x 1080 FHD LCD with 1500 nits high brightness, Anti-Glare (AG) treatment and optical bonding to optimize outdoor readability.
- ▶ **Military-Grade Certification** : Certified to MIL-STD-704F, MIL-STD-1275E, and MIL-STD-461G for EMC/EMI compliance, as well as MIL-STD-810H for shock and vibration resilience.
- ▶ **Extreme Environment Reliability** : supporting a wide temperature range from -40°C to 70°C.
- ▶ **Enhanced Durability and Resistance** : The full metal chassis and tempered cover glass provides superior mechanical strength, offering exceptional protection against physical damage, high-impact forces, and heavy vibrations common in industrial settings.
- ▶ **Secure Connectivity**: D38999/D26482 military connectors for all I/Os. Prevent accidental cable disconnection.
- ▶ **Rapid deployment**: Flexible installation design
- ▶ **Stable Supply**: 10-year longevity support and proactive notification of EOL
- ▶ **OSD Hot Key**: The OSD features function keys, including power on/off and brightness adjustment, to meet application needs.

Specifications

LCD	
Max. Resolution	1920*1080
Contrast Ratio	5000 : 1
Max. Color	16.7M
Luminance (cd/m2)	1500 nits
View Angle	89/89/89/89
Touch	USB, P-cap with Anti-Glare cover glass

I/O Connect	
External I/O Port	1 x HDMI by D38999 Connector 1 x USB (for Touch function) by D38999 Connector 1 x DC Power Input by D26482/MS3114E8 Connector 1 x GND Screw for safety grounding

Specifications

Power Requirement

Power Input	DC 9~36V wide range power input, Typical 28Vdc/3.21A, 90W
Power Supply	Univeral AC/DC 90W power adpater with D26482/MS3116F8-4S connector (for testing purpose only)

Environment

Dimension	639.2 x 432.4 x 84mm (not including handle)
Mounting	Flush Mount
Cerfitication	<p>EMC</p> <ul style="list-style-type: none"> • MIL-STD-461G Certified (CE101/CE102/RE101/RE102) • MIL-STD-1275E Certified • MIL-STD-704E Certified • FCC / CE Class A Certification <p>Vibration</p> <ul style="list-style-type: none"> • MIL-STD-810H, Method 514.8, Procedure I, 5~500Hz Certified • IEC-60068-2-64, 1.5 Grms @10~500Hz Certified <p>Shock</p> <ul style="list-style-type: none"> • MIL-STD-810H, Method 516.8 Procedure I, 20g 11ms Certified
Operating Temp	-40~70 °C · Cold Start
Storage Temp	-40~70°C
Humidity	10~95% @40 °C, non-condensing

Mechanical

Construction	Aluminum Bezel and Metal case
IP Rating	IP65 Front Side

Ordering Information

TDM-D240	24" P-cap Defense Monitor with Standard I/O, DC 9~36V Power Input, 1500 nits, Anti-Glare, Optical Bonding, US-Plug
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Standard Accessory

1x HDMI Cable	D38999 HDMI Type A Male to Standard HDMI Type A Male, Length = 1.5m
1x USB Cable	D38999 USB Type A Male to Standard USB Type A Male, Length = 1.5m
1x Power Cable	MS3116F8-4S Connector to Wire with Terminal, Length = 30cm
1x AC/DC Power Adapter	Univeral AC input, 24Vdc output, 90W, MS3116F8-4S connector, DC cable length 1.2m (for test purposes only)
1x AC Power Cord	AC Power Cord: One regional standard included, selected based on customer request.
1x Quick Guide	Please Read This Quick Guide Carefully Before Get Started

Weight (Approx.)

Net Weight	TDM-D240 Monitor : 9 kg
Standard Accessories	<p>HDMI Cable with D38999 Connector : 120 g</p> <p>USB Touch Cable with D38999 Connector : 100 g</p> <p>DC Input Cable (300 mm) with D38999 Connector : 50 g</p> <p>AC/DC Power Adapter : 580 g</p> <p>(Included for bench testing and evaluation; final system integration typically uses customer DC power source.)</p>

TDM-D240 Series

2026/06/25

Dimension & I/O Connector

