

M320TF-MIL

31.5" 4K UHD Chassis Defence Display



KEY FEATURES

- 31.5" 4K UHD Chassis Defence Display (3840 x 2160) native resolution for video display and other on-site applications
- Thin and Compact Design with impact resistant screen
- AR glass, PCAP touch optional , 4K UHD Chassis Defence Display
- Fanless and ventless design, easy-to-clean
- Compatible with existing imaging systems
- Build-in Light Sensor for Auto Brightness Control

INTRODUCTION

Winmate M320TF-MIL is a 31.5-inch 4K UHD Chassis Defence Display engineered for defense operations, field command, and mission-critical mobility. It combines 31.5-inch display with 3840x2160 resolution, Thin and Compact Design with impact resistant screen, and AR glass, PCAP touch optional, 4K UHD Chassis Defence Display to support reliable operation in harsh industrial environments. With Fanless and ventless design, easy-to-clean, the M320TF-MIL helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

Display

Touch / Glass	AR Glass (Default) Projected Capacitive Multi Touch Screen (Optional) EMI Touch/Glass (Optional)	Resolution	3840x2160
Size	31.5 inches inches	Contrast Ratio	1000:1
Panel Brightness	350 nits (Default) 700 nits(Optional)	Display Color	1.07B Colors Colors
View Angles	89,89,89,89	Active Area	697.3056×392.2344 mm mm

Certification

Certification	CE, FCC
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Environment

Operating Humidity	10% to 95% RH	Operating Temperature	0~50°C
Storage Temperature	-10°C~60°C	TEMPEST	USA: NSA NSTISSAM TEMPEST/1-92 (optional) NATO: NATO SDIP-27 (optional)

Compliance

MIL-STD 461G	USA MILSTD461G CE101, CE102, RE101, RE102, CS118 (Default) MILSTD461G CS101, CS106, CS109, CS114, CS115, CS116, RS101, RS103 (Optional) NATO STANAG 4370/AECTP501 NCE01, NCE02, NRE01, NRE02, NCS12 (Default) STANAG 4370/AECTP501 NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (Optional)	MIL-STD 810H	USA: MIL-STD-810H (default): Vibration Method 514.6 Humidity Method 507.6 Transit Drop Method516.6 NATO (optional): Vibration Test STANAG 4370/AECTP-401 Shock STANAG 4370/AECTP-402 Procedure I Drop and Topple Test STANAG 4370/AECTP-404
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IO Ports

Power Input		USB Port	1 x USB for Touch Screen (Optional)
Serial Port	1 x RS232 for Remote Control (Optional)	Video	1 x VGA 1 x DVI 1 x Display Port 1.2 (Default) 2 x HDMI 2.0 (Optional)
Audio	1 x Audio Line In (Optional)		

Mechanical

Dimension	777.58 x 477.62 x 48 mm	Mounting	VESA mount
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design

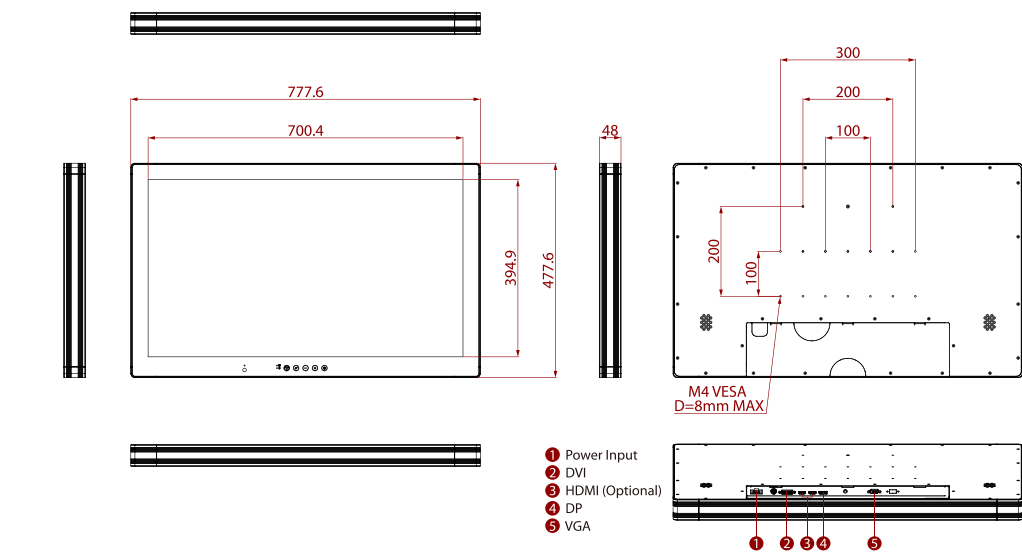
Accessory

Accessory	User Manual(Hardcopy) VESA Mounting Screws (M4 x10 /M4 x 12) Power Cord 1.8M AC Adaptor Power Convert Cable VGA Cable 1.8M(Male to Male) Dual Link DVI Cable 1.8M (Male to Male) COM Cable 1.8M (Male to Female)	Optional Accessory	USB cable for Touch (Optional)
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Power

Power Rating	24V DC in
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DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. If you require an external test report, Winmate will charge an NRE fee.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.