

M270TF-MIL

27" 4K UHD Chassis Defence Display



KEY FEATURES

- 27" Display with UHD 4K (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
- Fanless and ventless design, easy-to-clean
- Compatible with existing imaging systems

INTRODUCTION

Winmate 4K UHD Chassis Defence Display Series delivers exceptional clarity and durability for demanding defense and industrial applications. Available in 27" and 32" sizes, these displays feature native 4K UHD resolution for detailed visuals and optional AR glass or PCAP touch for enhanced interactivity. With a thin, impact-resistant design, fanless operation, and compatibility with existing imaging systems, they ensure reliability and ease of maintenance, making them ideal for video display, control rooms, and on-site operations.

SPECIFICATIONS

Display

Touch / Glass	AR Glass Projected Capacitive Multi Touch Screen (Optional) EMI Touch/Glass (Optional)	Resolution	3840x2160
Size	27.0 inches	Contrast Ratio	1000:1
Panel Brightness	400 nits 700 nits(Optional)	Display Color	1.07B Colors
View Angles	89,89,89,89	Active Area	596.73x335.66 mm

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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Certification

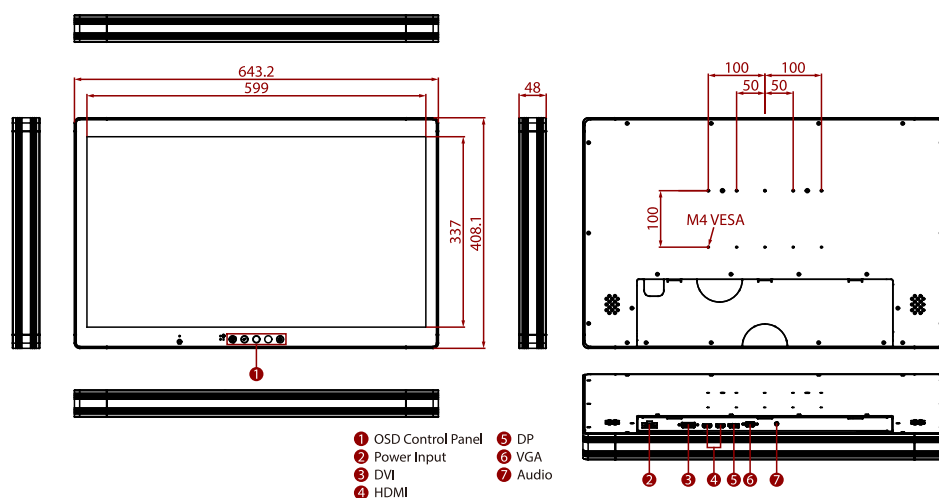
Certification	CE, FCC
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IO Ports

USB Port	1 x USB for Touch Screen (Optional)	Serial Port	1 x RS232 for Remote Control (Optional)
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Video	1 x VGA	Audio	1 x Audio Line In (Optional)
	1 x DVI		
	1 x Display Port 1.2		
	2 x HDMI 2.0 (Optional)		
Mechanical			
Dimension	643.2 x 408.1 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)
Power			
Power Rating	24V DC in		

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.