

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.

OVERVIEW



Defence display with 4K Pixel Perfection

Winmate's MIL-STD-810H defence display feature an impressive screen resolution of UHD 4K (3840 x 2160), aimed at minimizing errors and improving operational efficiency. This ensures that every detail on the screen is presented with exceptional clarity and precision.

Trustworthy Imaging Solutions Designed for Defence Implementations

To comply with defence regulations, Winmate's 4K UHD defence display undergoes rigorous testing following MIL-STD-810H environmental and MIL-STD 461G standards. Additionally, Winmate conducts internal reliability tests to ensure peak performance in challenging defence conditions.



Ultimate Touch Experience with PCAP

The 4K UHD defence display incorporates a highly responsive PCAP (Projected Capacitive) touchscreen, enabling users to effortlessly interact with the display interface. With its advanced touch technology, navigating through display settings and accessing vital information becomes intuitive and efficient, optimizing operational effectiveness in defence scenarios.

Effortless Maintenance with Flat Front Panels

With a sleek, entirely flat front panel design, the M270TF-MIL displays offer not just a contemporary look, but also practical advantages for upholding hygiene in the workplace. The flat surface makes cleaning effortless, enabling quick and thorough sanitation procedures.



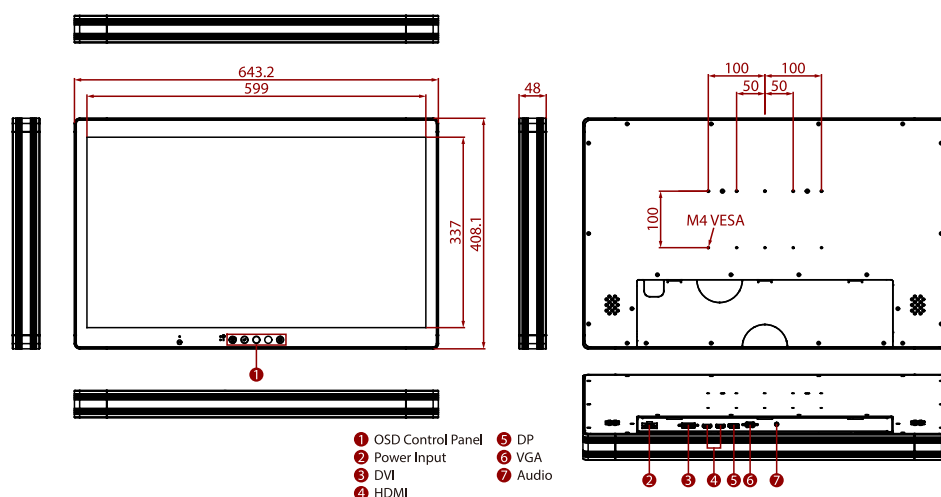
SPECIFICATIONS

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		
Compliance			
MIL-STD 461E/F/G	RE101 / RE102 CE101 / CE102 CS118 with EMI Glass / Touch(Optional) RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116	MIL-STD 810G/H	Vibration Method 514.6 Humidity Method 507.5 Transit Drop Method516.6
Certification			
Certification	CE, FCC		
IO Ports			
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 2 x HDMI 2.0 (Optional)	Audio	1 x Audio Line In (Optional)
OSD board control	nan		
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.
- If you require an external test report, Winmate will charge an NRE fee.
 - Please contact our sales representative if you need further product information.
 - All specifications are subject to change without prior notice.
 - 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.