M320TF-MIL

32" 4K UHD Chassis Defence Display

KEY FEATURES

- 32" 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

CE FC COMPLIANT MIL-STD 461F COMPLIANT MIL-STD 810G
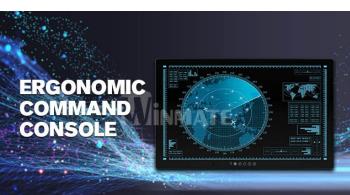
OVERVIEW

Brilliant Screen with UHD 4K Resolution

Winmate 4K UHD Defence Displays feature a brilliant screen with UHD 4K (3840 x 2160) resolution to help minimize errors and improve operational efficiencies. Now every detail on the screen displayed more detailed than ever.

Reliable Imaging Solutions Tailored for Defence Applications

To meet the defence and defense's regulatory requirements, all Winmate's 4K UHD Defence Display is built and tested according to MIL-STD-810G environmental and MIL-STD 461F EMC standard. Winmate performs in-house reliability test to ensure optimal performance in harsh defence environments.

Command Center Focused Design

Increase the efficiency of the command center and control room personnel. Built your ergonomic command console that complies with defence and defense precise needs with Winmate 4K UHD Defence Display that offers a brilliant resolution and clear depiction of every detail.

Ultimate Touch Experience and Convenient On-Screen User Controls

The Winmate 4K UHD Defence Display features a user-friendly touchscreen and physical OSD buttons for fast access to the central control located on the front panel.

Auto Brightness Control with Built-in Light Sensor

The 4K UHD Defence Displays feature a built-in light sensor for auto-brightness control. The screen brightness effortlessly changes with the lighting conditions throughout the day.

Easy-to-Clean Flat Front Panel

The 4K UHD Defence Displays features a truly flat front panel that could easily be cleaned to improved hygiene in the working environment.

SPECIFICATIONS

Display

Touch / Glass	AR Glass Projected Capacitive Multi Touch Screen (Optional) EMI Touch/Glass (Optional)	Resolution	3840x2160
Size	32.0 inches	Contrast Ratio	1000:1
Panel Brightness	350 nits 700 nits(Optional)	Display Color	1.07B Colors
View Angles	89,89,89,89	Active Area	708.48x398.52 mm

Certification

Certification	CE, FCC

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

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 1 x HDMI 1.4 (Optional) 1 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	Cooling System	Fanless Design

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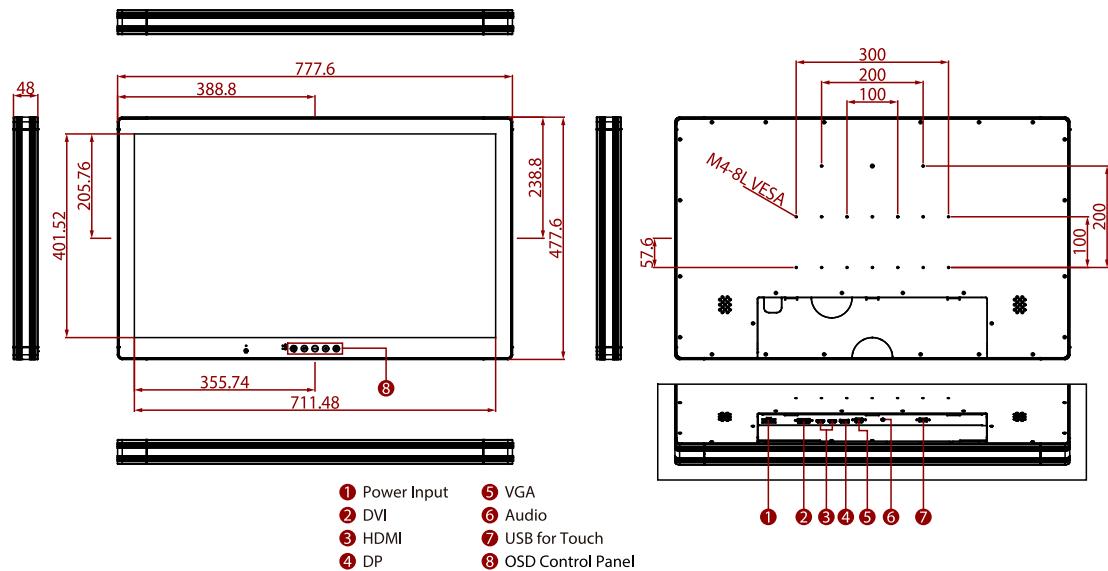
Accessory	User Manual(Hardcopy) VESA Mounting Screws (M4 x10 /M4 x 12) Power Cord 1.8M AC Adaptor Power Convert Cable VGA Cable 1.8M(Male to Male) Dual Link DVI Cable 1.8M (Male to Male) COM Cable 1.8M (Male to Female)	Optional Accessory	USB cable for Touch (Optional)

Power

Power Rating	24V DC in

DIMENSIONS   UNIT:MM

❶	Power Input	❺	VGA
❷	DVI	❻	Audio
❸	HDMI	❼	USB for Touch
❹	DP	❽	OSD Control Panel

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.