

W55L100-MLA1FP

55" 4K2K UHD Defence Display



KEY FEATURES

- 55" Display with 4K2K UHD Rack Mount Display (3840 x 2160) native resolution
- AC 100~240V, Universal, $\pm 10\%$
- Compliant MILSTD 810G/ MILSTD 461E
- Convenient onscreen display controls
- Defence grade power connector (MILDTL38999/1)
- PCAP multitouch screen
- Rack mount mechanical design, supports VESA mount

INTRODUCTION

Winmate 4K2K Defence Display Series delivers exceptional visual clarity with UHD 3840 x 2160 resolution across sizes ranging from 15.6" to 55". Designed for mission-critical applications, these displays meet MIL-STD 810G and MIL-STD 461E standards, ensuring durability and reliability in defense environments. Key features include a PCAP multi-touch screen, AR protection glass (optional), rack mount design with VESA compatibility, and a defense-grade power connector (MIL-DTL-38999/1). Ideal for secure command centers and tactical operation

SPECIFICATIONS

Display			
Touch / Glass	Projected Capacitive Multi Touch Screen Protection Glass (Optional)	Resolution	3840x2160
Size	55.0 inches	Contrast Ratio	4000:1
Panel Brightness	500.0 nits	Display Color	1.07B Colors
View Angles	89,89,89,89	Active Area	1209.6x680.4 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 461G	RE101 / RE102 CE101 / CE102 CS118	MIL-STD 810H	Vibration Method 514.8 Humidity Method 507.6 Transit Drop Method516.8
IO Ports			
USB Port	1 x USB for Touch Screen	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)

Mechanical

Dimension	1320 x 825 x 85 mm	Mounting	VESA mount/Rack mount
Enclosure	Metal	Cooling System	Fanless Design

Accessory

Accessory	1 x User Manual(Hardcopy) 1 x Power Cord MILDTL38999/1 1 x VGA Cable 1 x DVI Cable 2 x HDMI Cable 1 x DP Cable 1 x USB Cable	Optional Accessory	1 x Audio cable
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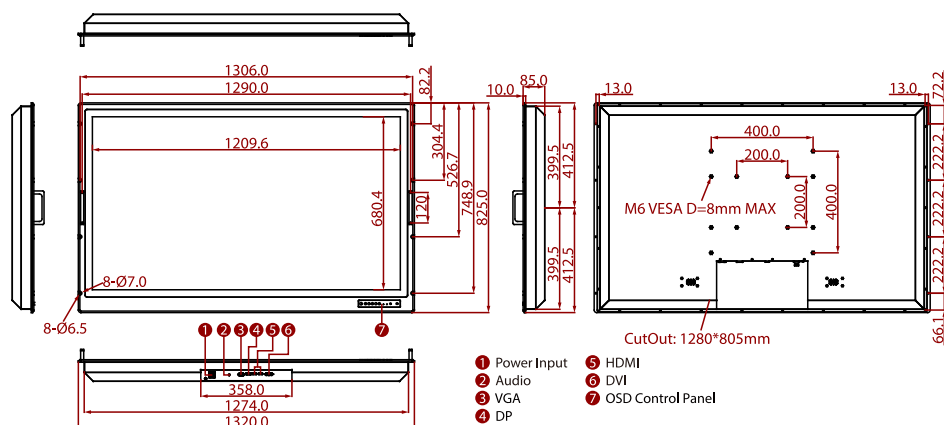
Power

Power Rating	MIL-DTL-38999/1 Connector AC 110~240V
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Control

Button	1 x "Power" key to power on the device. 1 x "+" key to increase screen brightness. 1 x "-" key to decrease screen brightness. 1 x "Menu" key can Automatically or manually adjusts brightness of the display screen 1 x Day / Night Mode button 1 x LED indicator brightness adjustment button 1 x Ambient Light sensor
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DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.