

# W32L100-RKA3ML

## 32" Rack Mount Protective Glass Defense Display



### KEY FEATURES

- Features a rack mount design with protective glass that complies with MIL-STD 810G and MIL-STD 461E standards, ensuring durability and reliability in defense applications.
- Boasts a rack mount mechanical design and supports VESA mounting, allowing for flexible installation in various settings.
- Offers high image quality with a resolution of 1920 x 1080 pixels, ensuring clear and detailed visuals
- Equipped with AR protection glass, providing enhanced durability and reducing glare for improved visibility.
- Features a defense-grade power connector compliant with MIL-DTL-38999/1 standards, ensuring secure and reliable connections in demanding environments.
- The device accepts an AC input range of 100~240V, Universal, ±10%; DC 9~36V, ±10% (Optional)
- Built-in light sensor for automatic brightness control, adjusting the display based on ambient light conditions

### INTRODUCTION

Winmate Rack Mount Protective Glass Defence Display Series is built for durability and high performance in demanding defense applications, with sizes ranging from 17" to 32". Featuring MIL-STD 810G and MIL-STD 461E compliance, this series includes AR protection glass for glare reduction and enhanced durability. With high-resolution displays, rack mount and VESA mounting options, defense-grade power connectors, and auto brightness control via a built-in light sensor, these displays deliver exceptional clarity, reliability, and adaptability for mission-critical environments.

### SPECIFICATIONS

Display			
Resolution	1920x1080	Size	32.0 inches
Contrast Ratio	4000:1	Panel Brightness	400.0 nits
Display Color	16.7M Colors	View Angles	89,89,89,89
Active Area	698.4x392.85 mm	Touch / Glass	AR Protection Glass
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,	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

NCS12 (Default)  
STANAG 4370/AECTP501 NCS01, NCS07, NCS08, NCS09, NRS01,  
NRS02 (Optional)

Shock STANAG 4370/AECTP-402 Procedure I  
Drop and Topple Test STANAG 4370/AECTP-404

## Certification

**Certification** CE, FCC

## IO Ports

**Video** DVI, VGA  
HDMI (Optional)

## Mechanical

**Dimension** 825 x 486 x 88.5 mm

**Enclosure** Metal

**Mounting**

VESA mount/Rack mount

**Cooling System**

Fanless Design

## Power

**Power Rating** AC 100~240V, Universal,  $\pm 10\%$   
DC 9~36V,  $\pm 10\%$  (Optional)

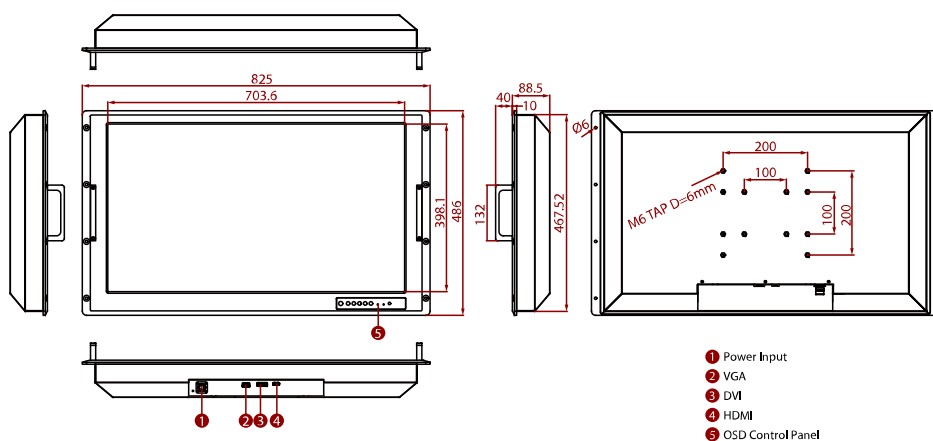
## Accessory

**Accessory** User Manual(Hardcopy)  
Power Cord MIL-DTL-38999/1 (2m)  
VGA Cable (2m)  
DVI Cable (2m)  
HDMI Cable (2m)

## 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

## 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.