

# 32" 4K UHD Military Display

M320TF-MIL

In mission critical environments, performance, reliable, and accurate image reproduction are imperative. From landscape to radar images, this environment is complex ecosystem that requires advance technology to keep it running smoothly. The M320TF-MIL with a UHD 4K (3840 x 2160) resolution helps minimize errors and improve operational efficiencies. With the number of display options available, knowing which will best suit your needs can be a challenge. The Winmate line of 4K monitors, implement the latest in technology, are making the decision easy.



## Product Features

- 32" 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 protection glass with optional P-CAP touch
- Fanless and Ventless design, Easy-to-Clean
- Compatible with existing imaging systems

## Product Specifications

<b>TFT Technology</b>	LED Backlight Technology, TFT Active-matrix, Widescreen, IPS Technology
<b>Viewable Size</b>	32" diagonal
<b>Active Area</b>	708.48"(H) x 398.52"(V) mm
<b>Native Resolution</b>	3840 x 2160 (UHD 4K)
<b>Pixel Pitch</b>	184.5 (H) x 184.5(V)mm
<b>Aspect Ratio</b>	16:9
<b>Response Time</b>	12ms (Gray to Gray)
<b>Light Intensity</b>	350 cd/m2 (typ), optional high brightness up to 700 cd/m2 (typ)
<b>Contrast Ratio</b>	1000:1 (typ)
<b>View Angle</b>	89/89/89/89
<b>Max Colors</b>	1.07B
<b>Synchronization Signal Auto-detect</b>	Digital Separate Sync., Composite Sync., Sync. On Green
<b>Synchronization Range</b>	31.5 kHz to 60.0 kHz (H) - 30 Hz to 75 Hz (V)
<b>Optimal Resolution and Hz</b>	3840 x 2160 @ 60 Hz 4:4:4
<b>Detectable Resolutions (Partial List)</b>	640 x 480, 720 x 400, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080, 1920 x 1200, 2560 x 1440, 3840 x 2160, 4096 x 2160
<b>Product Features</b>	Backlight sensor, Ambient light sensor, IR Control, Dimming








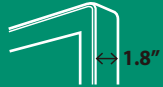









<b>Power Specifications</b>	24V DC in 150W, with external 110-240V AC to DC Adapter
<b>User Controls and Activity</b>	Capacitive OSD : Power On/Off, On Screen Display Menu, Brightness Control (-/+)
<b>Input Signal</b>	<ul style="list-style-type: none"> <li>• DVI</li> <li>• HDMI 1.4</li> <li>• HDMI 2.0</li> <li>• Display Port</li> <li>• VGA</li> <li>• Audio Line In</li> <li>• RS232 for Remote Control</li> <li>• USB for Optional Touch</li> </ul>
<b>Product Dimensions</b>	777.58 x 477.62 x 48 mm
<b>Mounting</b>	VESA mounting 100 x 100mm VESA mounting 200 x 100mm VESA mounting 300 x 100mm
<b>Product Weight</b>	11 Kg
<b>Factory Options</b>	<ul style="list-style-type: none"> <li>• Rubber Bumper</li> <li>• Projected Capacitive Multitouch screen (USB)</li> </ul>
<b>Operating Temperature</b>	0 deg.C to 50 deg.C, Humidity up to 95%
<b>Storage Temperature</b>	-20 deg.C to 60 deg.C, Humidity up to 95%
<b>IP Rating</b>	Protection: front IP65 - rear IP22
<b>Certificates</b>	CE, FCC
<b>Compliance</b>	MIL-STD 810F/G (On-going) MIL-STD 416E/F (On-going)

**WINMATE**

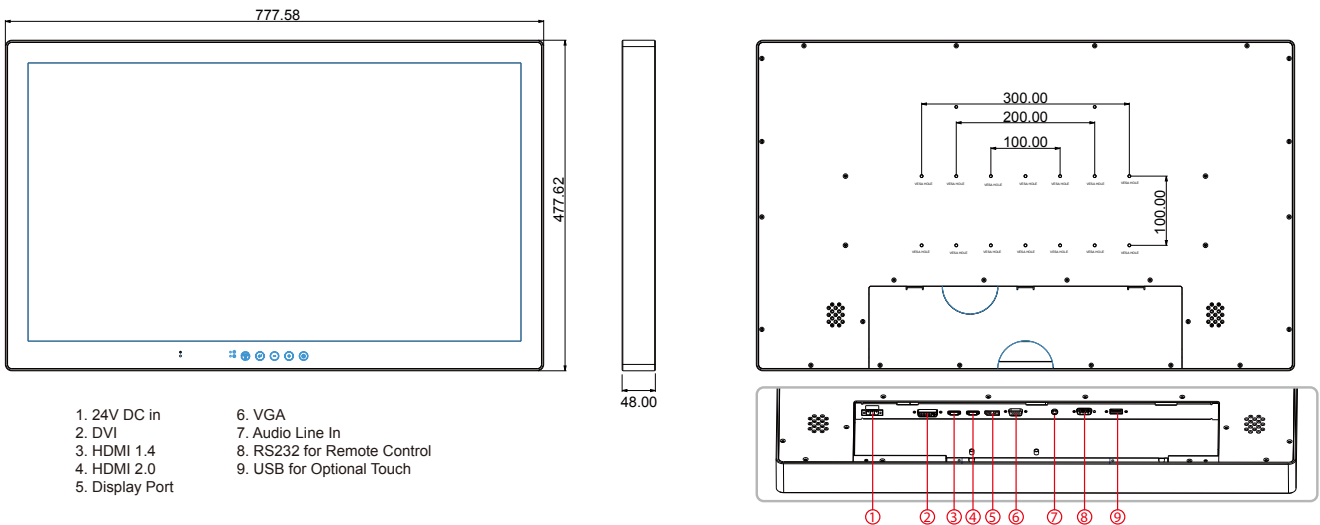
# 32" 4K UHD Military Display

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Designed for demanding reliability and the latest technology.

 Zoom in by Region	 Fanless	 Display Port	 Ultra HD	 In-Plane Switch	 Capacitive touch keys
 Light Sensor	 Signature True Flat With Slim design	 Wide Viewing ANGLE	 Built-in Speaker	 Image Adjust by Region	 Touchscreen Capable
 Color Calibration	 HDMI 2.0	 Rubber Bumper (Optional)	 Fiber (Optional)	 SDI In-Out (Optional)	

## Mechanical Drawing



## Application

Air Traffic Controller



Military Console



Geographical Information System



**WINMATE**

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