

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

TFT Technology	LED Backlight Technology, TFT Active-matrix, Widescreen, IPS Technology
Viewable Size	32" diagonal
Active Area	708.48"(H) x 398.52"(V) mm
Native Resolution	3840 x 2160 (UHD 4K)
Pixel Pitch	0.185 (H) x 0.185(V)mm
Aspect Ratio	16:9
Response Time	12ms (Gray to Gray)
Light Intensity	350 cd/m2 (typ), Optional for high brightness 700cd/m2 (typ)
Contrast Ratio	1000:1 (typ)
View Angle	89/89/89/89
Max Colors	1.07B
Synchronization Signal Auto-detect	Digital Separate Sync., Composite Sync., Sync. On Green
Synchronization Range	31.5 kHz to 60.0 kHz (H) - 30 Hz to 75 Hz (V)
Optimal Resolution and Hz	3840 x 2160 @ 60 Hz 4:4:4
Detectable Resolutions (Partial List)	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
Product Features	Ambient light sensor, IR Control, Dimming








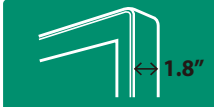








Power Specifications	24V DC in 150W, with external 110-240V AC to DC Adapter
User Controls and Activity	Capacitive OSD : Power On/Off, On Screen Display Menu, Brightness Control (-/+)
Input Signal	·DVI ·Audio Line In ·HDMI 1.4 ·RS232 for Optional ·HDMI 2.0 Remote Control ·Display Port 1.2 ·USB for Optional Touch ·VGA
Product Dimensions	777.58 x 477.62 x 48 mm
Mounting	VESA mounting 100 x 100mm VESA mounting 200 x 100mm VESA mounting 300 x 100mm
Product Weight	11 Kg
Factory Options	·Rubber Bumper ·Projected Capacitive Multitouch screen (USB)
Operating Temperature	0 deg.C to 50 deg.C, Humidity up to 95%
Storage Temperature	-20 deg.C to 65 deg.C, Humidity up to 95%
IP Rating	Protection: front IP65 - rear IP22
Certificates	CE, FCC
Compliance	MIL-STD 810F/G MIL-STD 461E/F (RE101/RE102),(CE101/CE102)

* If you require external test report, Winmate will charge NRE fee.

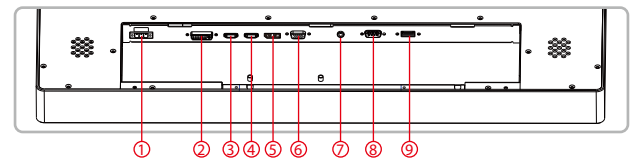
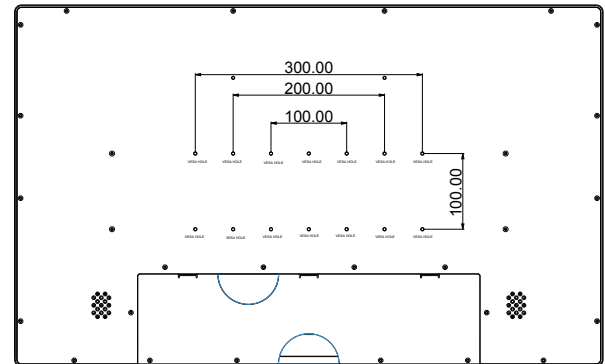
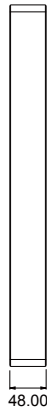
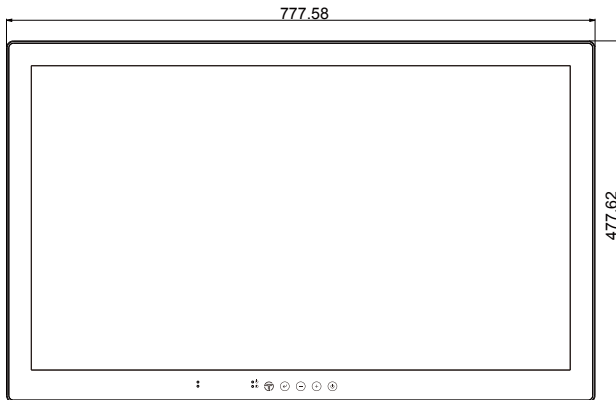
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Designed for demanding reliability and the latest technology.

 Zoom in by Region	 Fanless	 Display Port 1.2	 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 (Optional)
 HDMI 2.0	 Rubber Bumper (Optional)	 			

Mechanical Drawing



- 1. 24V DC in
- 2. DVI
- 3. HDMI 1.4
- 4. HDMI 2.0
- 5. Display Port 1.2
- 6. VGA
- 7. Audio Line In
- 8. RS232 for Optional Remote Control
- 9. USB for Optional Touch

Application

Air Traffic Controller



Military Console



Geographical Information System

