

Product Features

- 32" Display with UHD 4K (3840 x 2160) native resolution
- Dimmable 0-100% with backlight light sensing
- Thin and Compact Design with impact resistant screen
- Panel Mount design with front side removable handle
- AR protection Glass or Projected Capacitive Touch Screen
- Fanless and Ventless design, Easy to clean



Option 1
With AR Protection Glass, No Touch function



Option 2
With Projected Capacitive Multi Touch

Product Specifications

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| 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 | 0.181 (H) x 0.181(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 |
| Power Specifications | AC 110~240V (Default) DC 24V (Optional) MIL-DTL-38999/1 Connector Power Consumption 60W typical, normal operation |
| User Controls and Activity | Option 1 : Power, Brightness Down/Up, Auto Adjustment, Main Menu, Day/Night Mode, Key Pad Control Option 2 : Power ON/OFF, Menu Brightness Control |

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| Input Signal | <ul style="list-style-type: none"> • DVI • HDMI 1.4 • HDMI 2.0 • Display Port 1.2 • VGA • Audio Line In • RS232 for Optional Remote Control • USB for Optional Touch |
| Product Dimensions | 825 x 486 x 88.5 mm |
| Cutout Dimension | 769.5 x 468 mm |
| Mounting | VESA mounting 100 x 100 mm VESA mounting 200 x 100 mm VESA mounting 300 x 100 mm |
| Product Weight | 11 Kg |
| Touch | Option 1 : AR Protection Glass (W32L100-MLA1FG-4K) Option 2 : Projected Capacitive touch (W32L100-MLA1FP-4K) |
| Operating Temperature | 0 deg.C to 50 deg.C, Humidity up to 95% |
| Storage Temperature | -10 deg.C to 60 deg.C, Humidity up to 95% |
| Order Information | W32L100-MLA1FP-4K (with Projected Capacitive Multi Touch) W32L100-MLA1FG-4K (with AR Protection Glass, No Touch function) |
| Certificates | CE, FCC |
| Compliance | MIL-STD-810F/G MIL-STD-461F/G (RE101/RE102), (CE101/CE102) |



Military Grade EMC Compliance

| EMC (MIL-STD 461E/F Compliance) | | | |
|---------------------------------|---------------------|-----------------|---|
| EMC Test Spec | Type of Test | Frequency Range | Requirement |
| CE101 | Conducted Emissions | 30Hz ~10kHz | 30Hz ~ 1kHz :110 dB 1k-10k:110-90 dB |
| CE102 | Conducted Emissions | 30Hz ~10kHz | 10kHz ~ 500kHz: 100-66dB, 500kHz~10MHz:66dB |
| RE101 | Radiated Emissions | 30Hz ~100kHz | (30~100k :180-110 dBpT) |
| RE102 | Radiated Emissions | 10kHz ~-18GHz | (2MHz~18G Hz: 44-89 dB) |

Military Grade Environmental Compliance

| Environmentals (MIL-STD 810F/G Compliance) | | |
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| Low Pressure | Operating | 15,000 ft, Method 500.5 / Procedure II |
| | Storage | 15,000 ft, Method 500.5 / Procedure I |
| Salt Fog | Method 509.5 | |
| Vibration | 5 ~ 500 Hz, 1.48 & 1.90 & 2.24 Grms Method 514.6 / Procedure I | |
| Transit Drop | Method 516.6 / Procedure IV | |
| Shock | Method 516.6 / Procedure I | |

Mechanical Drawing

