

MODEL: EMCMW5500K-SRR

FEATURES:

- **55" Rugged 4K UHD Full-IP66 Monitor** - 3840 × 2160, 600 nits, PCAP Multi-Touch
- **I/O** - D38999 HDMI/Power, IP66 HD-SDI/USB/DP/RS232
- **Power** - 110–240VAC
- **Rugged Housing** - Custom Matte-Black Housing, Full IP66 Protection
- **MIL-STD-810** - Salt-Fog, Rain & Dust Resistant.
  Method 506.5 Rain, **Method** 510.5 Sand/Dust, **Method 509.5** Salt-Fog Compliance
- **MIL-STD-810G** - Shock/Vibration
- **MIL-STD-461E** - CE102/RE102 EMI/EMC Compliance
- **Operating Temperature** - 0°C to +50°C
- **Storage Temperature** - -20°C to +70°C
- **Humidity** - 10–90% RH, Non-Condensing

SPECIFICATIONS:

Size / Type	55" (16:9) LCD
Resolution	3840x2160
Brightness	500 cd/m² (typ.)
Contrast Ratio	4,000:1 (typ.)
Max. Colors	1.07B (8-bit + Hi-FRC)
Pixel Pitch	0.315(H) x 0.315(V) mm
Viewing Angle	−89° to 89° (H); −89° to 89° (V)
Touch	P-cap multi-touch
ENVIRONMENTAL SPECS	
IP Protection	Full IP65, MIL-STD-810G 506.5/510.5 compliance
Salt-fog	MIL-STD-810G Method 509.5 compliance
OP. temp.	0 °C to 50 °C
Storage Temp.	−20 °C to 70 °C
Humidity	10% to 90% (non-condensing)
Vibration/shock	MIL-STD-810G compliance

**Specifications subject to change without notice, not responsible for typographical errors.*

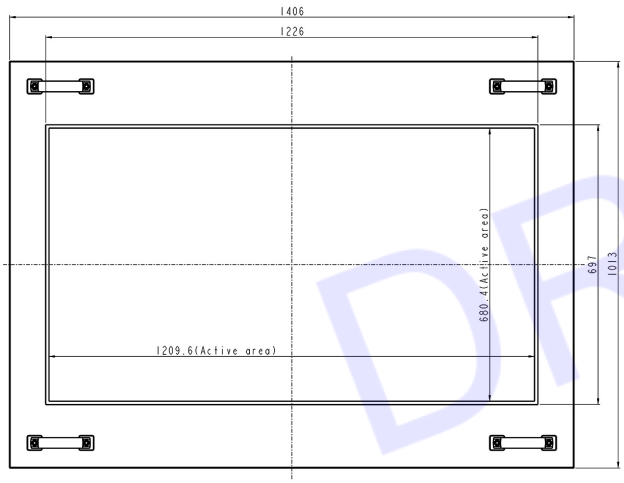
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Modified: 10-02-2026

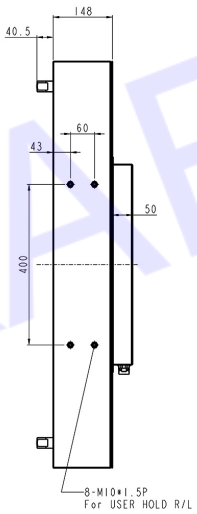
I/O INTERFACE	
HDMI	1 x HDMI 2.0 (MIL-DTL-38999 III connector)
Power	1 x AC power input (MIL-DTL-38999 III connector)
USB	1 x USB (IP66 connector)
HD-SDI	1 × HD-SDO (IP66 connector)
DP	1 x DP (IP66 connector)
MECHANICAL & SYSTEM	
Dimensions	Pls. refer to Drawings
Cooling	Fans
POWER	
Power Input	110- 240V AC input
Consumption	180 W typical, normal operation

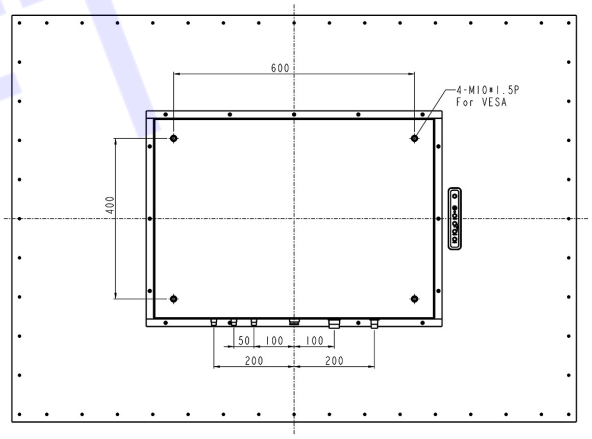
MECHANICAL DRAWING:

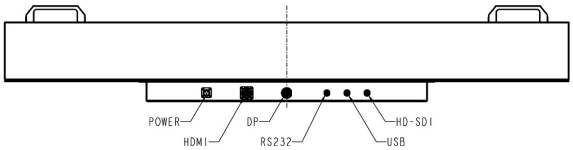
This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.











Drawing No.: EMCMW5500K-SRR-09292026-V1

DRAFT