

MissionVue™ MV500 50" Military Display

50" LCD 4K Panel

3840 x 2160 Resolution

Projected Capacitance Touchscreen (20-touch)

Wide Viewing Angle (+/-178/V)



Technical Specifications

Display

Resolution	3840 x 2160
Brightness	315 cd/m ² (NIT)
Viewing Angle	±89° Horizontal / ±89° Vertical
Touchscreen	Projected Capacitance Standard
Colors	16.7 Million
Contrast ratio	4000:1 (Typical)

Power

Voltage, Standard Power Consumption	85-264VAC 50/60Hz 100 Watts MAX
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Connectors

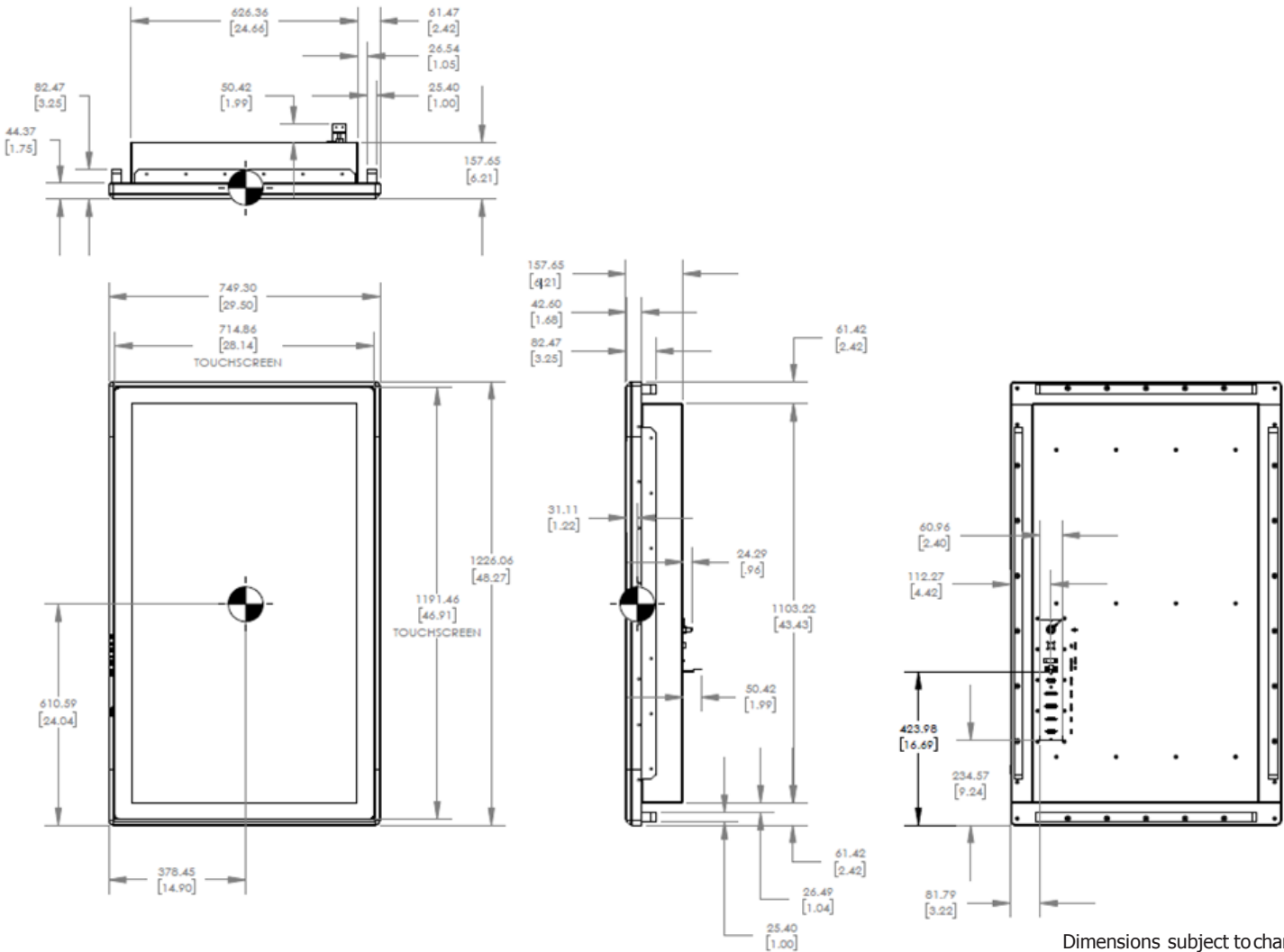
I/O Plate	Fully Configurable Connector Type & I/O
Power	MIL Circular
Video	Display Port X2 Commercial, DVI-I X2 Commercial
Touch Screen	USB Type B Commercial
Serial Control	DB Female-Remote OSD Control

Environment

Temp, Operating	-0°C to 50°C per MIL-STD-810F
Temp, Storage	-20°C to 75°C per MIL-STD-810F
Humidity	95% per MIL-STD-810F
Drip	MIL-STD-810F, Rain, Procedure III Drip
Vibration	MIL-STD-167-1A Shipboard
Shock	MIL-S-901D Grade B
EMI	MIL-STD-461F, Surface Ship Below Deck

Version: 1A

Dimensional Drawings



Dimensions subject to change

Physical

Dimensions (inch)	29.50"W x 48.27"H x 6.21"D
Dimensions (mm)	749.3W x 1226.06H x 157.65D
Weight	147 lbs.
Material	6061 Machined Bezel – 5052 Aluminum Frame
Color	FED-STD-595 Black
Mounting	Table Mount, Bulkhead Mount
Enclosure	IP65 Full
Controls	Front Bezel OSD Power / LED Indicators / Brightness /Display OSD

Options

Colors	Custom – Requires Specification
Touchscreen	P-Cap Standard. Contact Factory for Options.

Certifications

CE101	Power Leads 30Hz to 10kHz	PER MIL-STD-461F (Surface Ship Below Deck)
CE102	Power Leads 10kHz to 10MHz	PER MIL-STD-461F (Surface Ship Below Deck)
CS101	Power Leads 30Hz to 150kHz	PER MIL-STD-461F (Surface Ship Below Deck)
CS106	Transients, Power Leads	PER MIL-STD-461F (Surface Ship Below Deck)
CS114	Bulk Cable Injection, 10kHz to 200MHz	PER MIL-STD-461F (Surface Ship Below Deck)
CS116	Dampened Sinusoidal Transients, Cables and Power Leads, 10kHz to 100MHz	PER MIL-STD-461F (Surface Ship Below Deck)
RE101	Magnetic Field 30Hz to 100kHz	PER MIL-STD-461F (Surface Ship Below Deck)
RE102	Electric Field 10kHz to 18GHz	PER MIL-STD-461F (Surface Ship Below Deck)
RS101	Magnetic Field 30Hz to 100kHz	PER MIL-STD-461F (Surface Ship Below Deck)
RS103	Electric Field 2MHz to 40GHz	PER MIL-STD-461F (Surface Ship Below Deck)
ESD	MIL-STD-1686C	
DC MAG FIELD	DOD-STD-1399	
Voltage and Frequency Tolerance	MIL-STD-1399, 300B	
Voltage and Frequency Transient Tolerance Recovery	MIL-STD-1399, 300B	
Voltage Spike	MIL-STD-1399, 300B	
Emergency Conditions	MIL-STD-1399, 300B	
Grounding	MIL-STD-1399, 300B	
User Equipment Power Profile	MIL-STD-1399, 300B	
Current Waveforms	MIL-STD-1399, 300B	
Voltage and Frequency Modulation	MIL-STD-1399, 300B	
Simulated human Body leakage Current	MIL-STD-1399, 300B	
Insulation Resistance	MIL-STD-1399, 300B	
Shipboard Vibration	MIL-STD-167-1	
Transportation Vibration	MIL-STD-810F	
HUMIDITY	MIL-STD-810F	
Structureborne Noise	MIL-STD-740-2	
High Temperature Operating	MIL-STD-810F 501.4 Procedure II, Table II	
Low Temperature Operating	MIL-STD-810F 502.4, Procedure II	
High Temperature Storage	MIL-STD-810F 501.4 Procedure I	
Low Temperature Storage	MIL-STD-810F 502.4 Procedure I	
Temperature Shock	MIL-STD-810F 503.4	
Dripping Rain	MIL-STD-810F 506.4 – Procedure III	
Inclination	DOD-STD-1399	
Altitude	MIL-STD-810G	
Rapid Decompression	MIL-STD-810F	
Settling Dust	MIL-STD-810F	
High Impact Shock	MIL-901D, Grade B	Grade A (Consult Factory)
Fungus	MIL-STD-810F, 508-5	By Analysis
Airborne Noise	MIL-STD-740-1	