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2450 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Base Part #2450-XX-X-XX-XXXX-XX-XX-XX.X

- 24" LCD Touch Screen.
- 3M™ Surface Capacitive Touch System.
- Serial or USB Touch Interface Options
- Supports Multiple Video Inputs.
- Native 1920 X 1200 Resolution.
- Non Touch Models and Front Panel Mount Bezel Options.
- Low Power Consumption.
- Fully Compliant SMPTE 295M / SMPTE 292M Inputs (optional).
- USA Service and Technical Support.
- 3 Year Warranty (Monitor).
- 3 Year Warranty (Touch Screen and Controller).



LCD Touch Screen Base Monitor Model: 2450-XX-X-XX-XXXX-XX-XX-XX.X

LCD Element: 24" Class LCD
Max. Resolution: (pixels) 1920 x 1200
Pixel pitch: 0.270mm (H) x 0.270(V)
Max. Colors: 16.7 Million colors (8 bits/color)
Display Response Time: 6 ms
Viewing Angle: 178° right/left/up/down
Screen active area: inch (mm) 20-13/32 x 12-3/4 (518.4 x 324.0)
Contrast Ratio: 1000:1
Brightness: 400 cd/m²
Pixel Arrangement: RGB vertical stripe.
Power Requirements: AC 100-240VAC, 50/60 Hz
Power Consumption: 80W / Standby 2W
Operating Temperature: 0°C to 50°C
Operating Humidity: 20% to 90% (no condensation)
Dimensions: inch (mm) Approx. 24.26 x 16.26 x 2.89 (616.2 x 413.0 x 73.4) with Touch Screen integrated.
Weight lbs.: (kg) Approx. 19.8 lbs (8.9) with integrated Touch Screen installed.



Display Werks is an authorized 3M™ Surface Capacitive Touch System Integrator.

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Input Terminals		Output Terminals	
DVI-I	24 pin	HD-SDI (optional)	BNC X1
RGB	Mini D Sub 15 pin x 1		
S-video	4 pin mini DIN		
Composite	BNC X1	Quality and Innovation in LCD Integration.™	
Serial RS232C	Mini D Sub 15 pin		
24VDC Power	4 pin power connector		
HD-SDI (optional)	BNC X1		

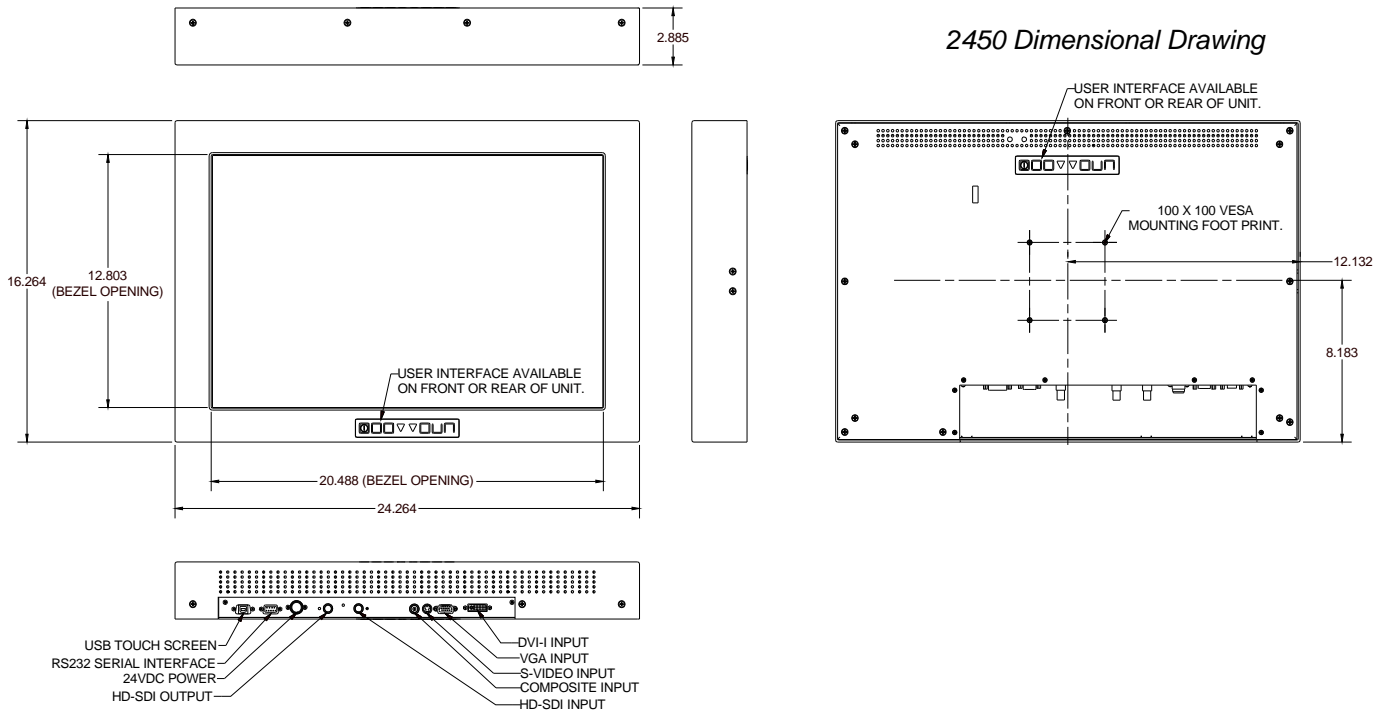
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3M™ Surface Capacitive Touch Screen Specifications:

- **Construction:** Cleartek II Hardcoat with anti glare properties over glass substrate.
- **Input Method:** Finger input.
- **Positional Accuracy:** Reported coordinates are within 1.0% of true position (based on viewing area dimensions)
- **Light Transmission:** Up to 91.5%.
- **Operating Temperature:** -40°C to 70°C
- **Minimum Contact Requirement:** 5.4 ms
- **Response Time:** 20 ms for tap input.
- **Expected Life Performance:** No known wear-out mechanism, as there are no layers, or moving parts.
- **Surface Obstructions:** Withstands surface contaminants such as dirt, dust and grime.

Touch screen Controller Specifications:

- **Dual Interface:** USB or RS232 Serial (specify when ordering).
- **Maximum Single USB Cable Length:** 5m (16.4 ft)

Note: Distances over 5m using USB can be achieved by using a USB extension system.

Note: Power for the LCD monitor itself requires a connection to a 110 VAC receptacle.