



display werks

quality and innovation in LCD integration

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.
- Professionally Integrated SAW (Surface Acoustic Wave) Touch Screen.
- 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.

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. TM	
Serial RS232C	Mini D Sub 15 pin		
24VDC Power	4 pin power connector		
HD-SDI (optional)	BNC X1		



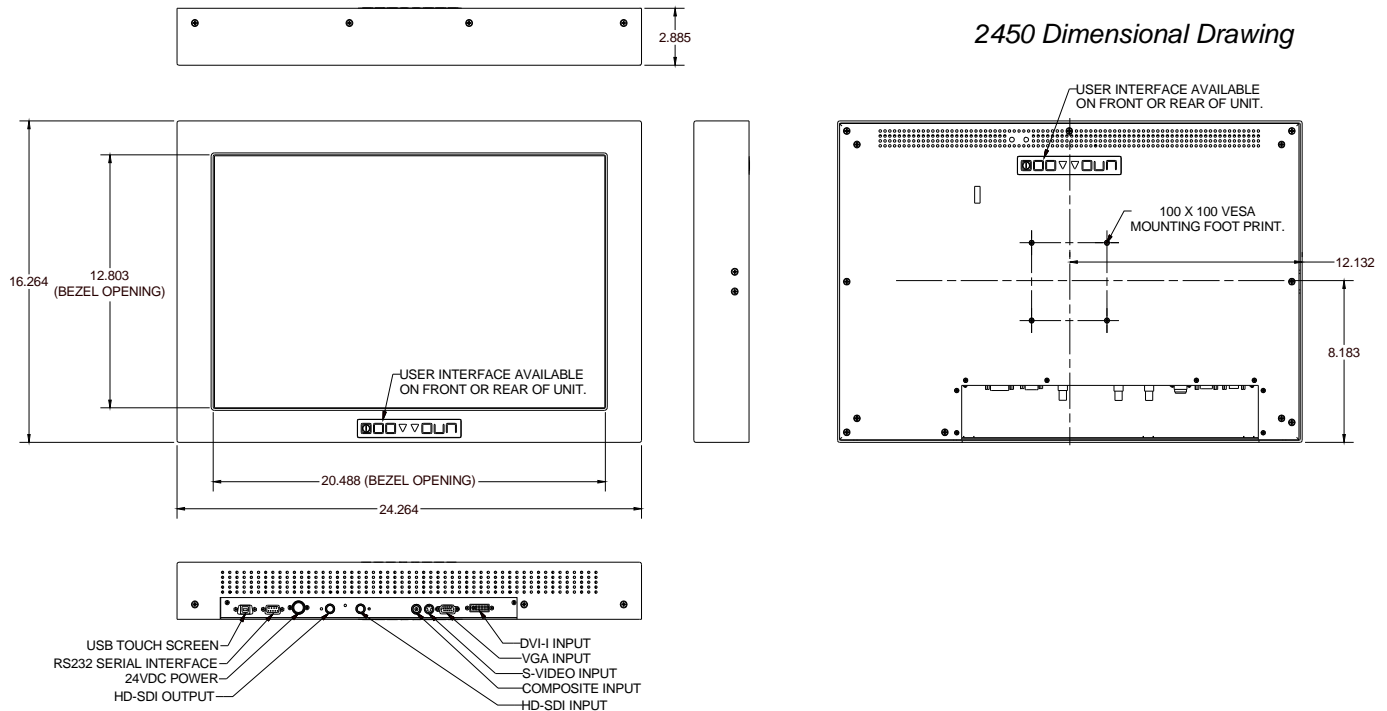
display werks

quality and innovation in LCD integration

2450 Series LCD Touch Screen Monitor

Large Format Interactive LCD

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



Surface Acoustic Touch Screen Specifications:

- **Total additional weight to monitor:** 3.6 lbs.
- **Construction:** Glass panel with transducers attached to the front surface of the glass substrate.
- **Positional Accuracy:** Standard deviation of error is less than 0.080 in (2.03 mm) Equates to less than 1% error on most displays.
- **Light Transmission:** Up to 92%.
- **Operating Temperature:** -20°C to 50°C
- **Touch Active Force:** Less than 3 ounces
- **Operational Altitude:** 10,000 ft Above Sea Level
- **Expected Life Performance:** No known wear-out mechanism, as there are no layers, coating, or moving parts. This SAW technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.

Touch screen Connector Specifications:

- **Interface:** USB or Serial RS232
- **Maximum Single USB Cable Length:** 5m (16.4 ft)

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