

display werks

quality and innovation in LCD integration

2450 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #2450-TU-245T-2S, Based on the Samsung 245T

- 24" LCD Touch Screen.
- Professionally Integrated SAW (Surface Acoustic Wave) Touch Screen.
- 1920 x 1200 High Resolution.
- Low Power Consumption.
- USA Service and Technical Support.
- Touch Screen Integrated within Factory Enclosure.
- 3 Year Warranty (Monitor).
- 3 Year Warranty (Touch Screen and Controller).



LCD Monitor Model: Samsung 245T

LCD Element: 24" Wide LCD

Max. Resolution: (pixels) 1920 x 1200

Pixel pitch: 0.270mm (H) x 0.270 (V)

Display Color: 8 Bit

Display Response Time: 6 ms (GTG)

Viewing Angle: 178° right/left/up/down

Screen active area: inch (mm) 20.56 x 12.68 (522.2 x 322.0)

Contrast Ratio: 1000:1

Brightness: 300cd/m²

Power Consumption: 130 Watts

Power Requirements: AC 100-240V (+/-10%) 50/60 Hz

Operating Temperature: 10°C to 40°C

Operating Humidity: 10% to 80% (no condensation)

Dimensions: inch (mm) Approx. 22.1 x 14.5 x 3.85 (561.3 x 368.3 x 97.8) with Touch Screen integrated.

Weight lbs.: (kg) Approx. 23.0 lbs (10.43) with Stand and Integrated Touch Screen installed.

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Display Werks is a Samsung authorized integrator.

Input Terminals	
DVI	24 pin
S-video	S-video
HDMI	HDMI
VGA	Mini D-Sub
Component	Component
USB	Touch Screen Interface
Power	AC 100-240V 50/60 Hz

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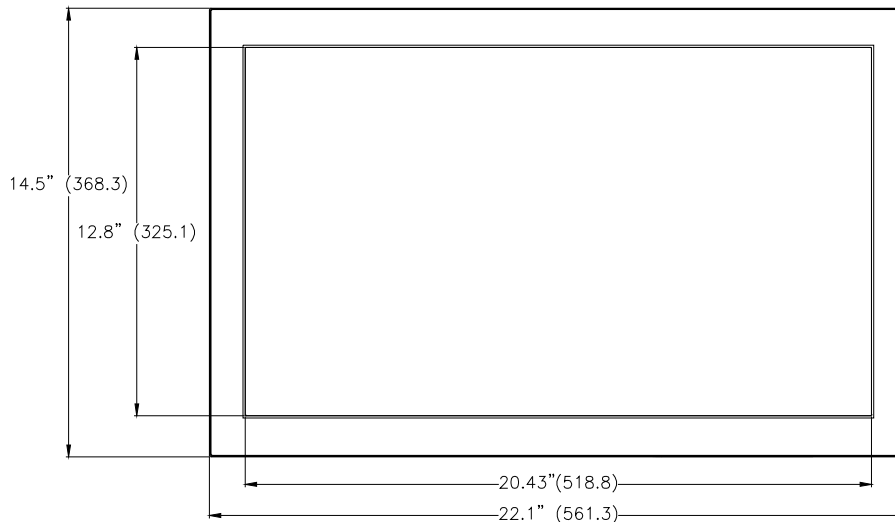


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Surface Acoustic Touch Screen Specifications:

- **Total additional weight to monitor:** 4.0 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.
- **Total Additional Depth to 245T:** 0"

Touch screen Connector Specifications:

- **Interface:** USB 2.0 or Serial RS-232
- **Maximum Single USB Cable Length:** 5m (16.4 ft)

Note: When using USB over distances of 5m, a USB extension system can be used.

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



Sam 2450-245T Rev 0 SAW