

# display werks

quality and innovation in LCD integration

## 2050 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #2050-TU-2090UXI-2S, Based on the NEC 2090UXi

- 20" LCD Touch Screen
- Professionally Integrated SAW (Surface Acoustic Wave) Touch Screen
- 1600 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: NEC 2090UXi

**LCD Element:** 20.1" Wide LCD

**Max. Resolution:** (pixels) 1600 x 1200

**Pixel pitch:** 0.255mm (H) x 0.255 (V)

**Colors Supported:** 16.7 Million

**Display Response Time:** 16 ms

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

**Contrast Ratio:** 700:1

**Brightness:** 280 cd/m<sup>2</sup>

**Power Consumption:** 50 Watts

**Power Requirements:** AC: 100 -120 VAC / 220—240 VAC

**Operating Temperature:** 5°C to 35°C

**Operating Humidity:** 30% to 80% (no condensation)

**Dimensions:** inch (mm) Approx. 17.3 x 13.4 x 3.3 (439.4 x 340.4 x 83.82) with Touch Screen integrated.

**Weight lbs.:** (kg) Approx. 24.0 lbs (10.9) with integrated Touch Screen installed.

Input Terminals	
DVI-D	24 pin
Analogue VGA	15 Pin D-Sub
Power	AC 100-240V 50/60 Hz

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NEC 2050-2090UXi Rev 0 SAW

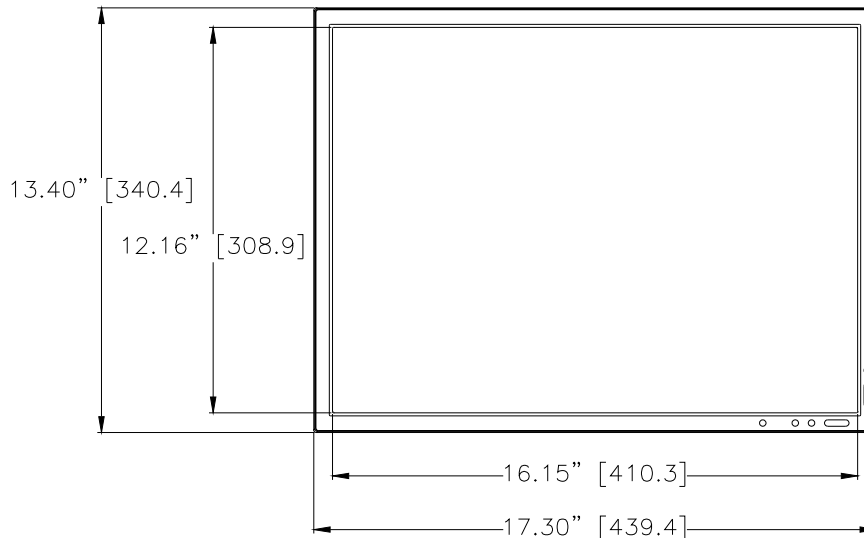
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### Surface Acoustic Touch Screen Specifications:

- **Total additional weight to monitor:** 2.5 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 NEC 2090UXI:** 0"

### Touch screen Connector Specifications:

- **Interface:** USB 2.0 or Serial RS-232 (specify when ordering)
- **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.



NEC 2090-2090UXI Rev 0 SAW