

# display werks

quality and innovation in LCD integration

## 4250 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #4250-TU-FWDS42H1-4D, Based on the Sony FWD-S42H1

- 42" LCD Touch Screen
- Authorized Integrator of the 3M™ DST (Dispersive Signal Technology) Touch System
- Thin 20mm Bezel Design
- USA Service and Technical Support
- 1920 x 1080 High Definition
- Touch Screen Integrated within Factory Enclosure
- 1 Year Warranty / 3 year Warranty (Monitor)
- 3 Year Warranty (Sensor and Controller)



### Based on the Sony LCD Monitor Model: FWD-S42H1

**LCD Element:** 42" diagonal LCD  
**Max. Resolution:** (pixels) 1920 x 1080  
**Pixel Pitch:** 0.48 mm  
**Max. Colors:** 1.06 Billion colors  
**Display Response Time:** 8 ms  
**Viewing Angle:** 178° right/left/up/down  
**Screen active area:** inch (mm) 36-5/8 x 20-19/32 (930.24 x 523.25)  
**Contrast Ratio:** 1000:1  
**Brightness:** 700 cd/m2 (before touch screen)  
**Power Requirements:** AC 100V—240 V  
**Power Consumption:** 210W (typ.) 280W (max)  
**Operating Temperature:** 0° to 35° C  
**Operating Humidity:** 20% to 90% (no condensation)  
**Speakers:** Optional  
**Dimensions:** Approx. 38.27 x 22.24 x 5.17 (972.1 x 565.1 x 131.3) Touch Screen Installed.  
**Weight lbs.:** (kg) Approx. 56.0 lbs (25.4) with integrated Touch Screen installed.

3M and MicroTouch are trademarks of the 3M Company

# SONY

Display Werks is a SONY Authorized Integrator

## MicroTouch™

3M

Display Werks is an Authorized 3M™ DST System Integrator

3M and MicroTouch are trademarks of the 3M Company

Input Terminals		Output Terminals	
HDMI™ Connections:	No (Available through option card BKM-FW15)	Analog Audio	Stereo Mini Jack (x1)
DVI	DVI (x1)	RGB/Component	D-sub 15 Pin Female (x1)
Composite Video	BNC (x1)	Ethernet	RJ-45
RGB/Component	D-sub 15 Pin Female (x1)	Composite Video	BNC (x1)
S-Video	Mini Din 4-pin (x1)	Speaker Out L/R	Grip Connector
PC Audio	Stereo Mini Jack (x1)	<b>Quality and Innovation in LCD Integration.™</b>	
Video Audio	Stereo Mini Jack (x1)		
Stereo Mini Jack (x1)	Stereo Mini Jack (x1)		

Sony 4250 FWD-S42H1 Rev 3 DST

display werks

• Display Werks • 2747 29th Ave SW • Tumwater WA 98512 USA • (877) 705-1319 • Fax (360) 709-9552

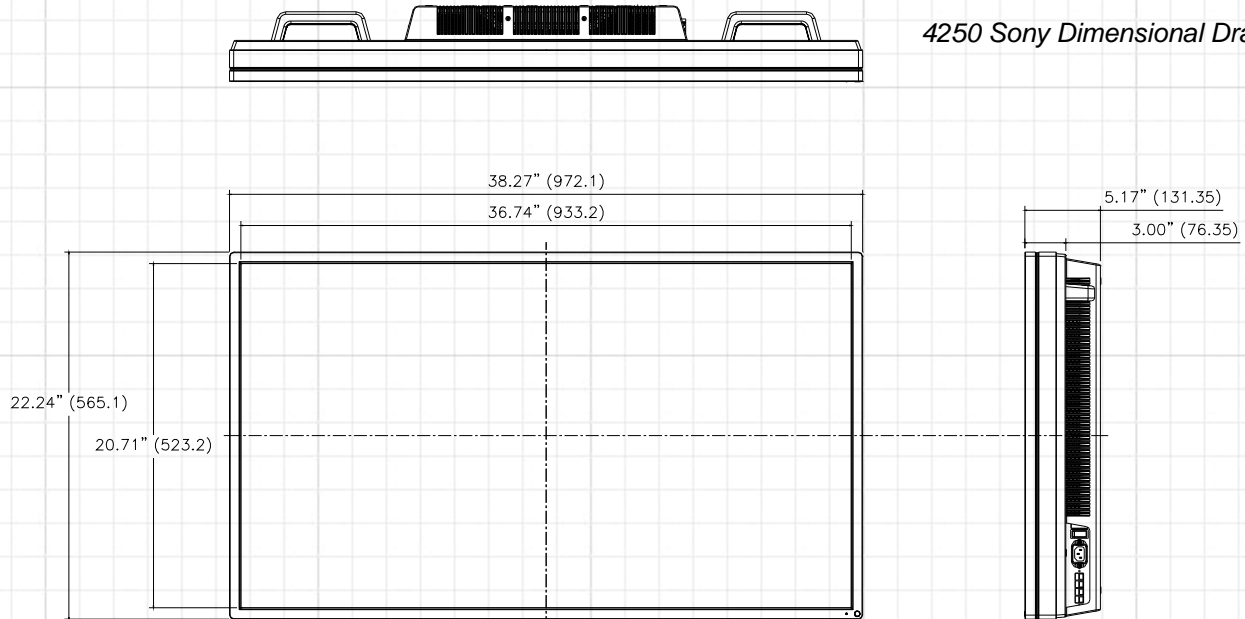
# display werks

quality and innovation in LCD integration

## 4250 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #4250-TU-FWDS42H1-4D, Based on the Sony FWD-S42H1



4250 Sony Dimensional Drawing

### 3M™ DST (Dispersive Signal Technology) Touch Screen Specifications:

- **Total additional weight to monitor:** 6.0 lbs.
- **Construction:** Glass chemically-strengthened anti-glare substrate.
- **Input Method:** Finger and stylus input.
- **Positional Accuracy:** Reported coordinates are within 1.0% of true position (based on viewing area dimensions)
- **Light Transmission:** Up to 92%.
- **Operating Temperature:** -15°C to 90°C
- **Minimum Touch Impact:** 50 mN.s (milli-newton seconds), the equivalent of a very light touch.
- **Response Time:** 20 ms for tap input.
- **Expected Life Performance:** No known wear-out mechanism, as there are no layers, coating, or moving parts.
- **Total Additional Depth to Sony FWD-S42H1:** 1/4"

### Touch screen Connector Specifications:

- **Interface:** USB or RS232 Serial (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. In addition, the Sony 4250 series DST touch screen monitors require an external power supply to drive the integrated touch screen controller. This small form factor 110 VAC to 5Vdc power supply is included with every Sony 4250 series DST touch screen monitor.

Sony 4250 FWD-S42H1 Rev 3 DST

display werks

• Display Werks • 2747 29th Ave SW • Tumwater WA 98512 USA • (877) 705-1319 • Fax (360) 709-9552