

display werks

quality and innovation in LCD integration

4750 Series LCD Touch Screen Monitor

Large Format Interactive LCD

Display Werks Part #4750-TU-FWDS47H1-4D Based on the Sony FWD-S47H1

- 47" 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-S47H1

LCD Element: 47" diagonal LCD
Max. Resolution: (pixels) 1920 x 1080
Pixel Pitch: 0.54mm
Max. Colors: 1.06 Billion colors
Display Response Time: 8 ms
Viewing Angle: 178° right/left/up/down
Screen active area: inch (mm) 40-15/16 x 23 (1039.7 x 584.2)
Contrast Ratio: 1000:1
Brightness: 700 cd/m2 (before touch screen)
Power Requirements: AC 100V—240 V 50/60 Hz
Power Consumption: 240 (typ.) 300 (max)
Operating Temperature: 0° to 35° C
Operating Humidity: 20% to 90% (no condensation)
Speaker: Optional
Dimensions: Approx. 42.58 x 24.68 x 5.33 (1081.5 x 626.9 x 135.4) excluding protrusions, Touch Screen Installed.
Weight lbs.: (kg) Approx. 69.9.0 lbs (31.7) with integrated Touch Screen installed.

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SONY

Display Werks is a SONY Authorized Integrator

MicroTouch™
3M

Display Werks is an Authorized 3M™ DST System Integrator

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)	Quality and Innovation in LCD Integration.™	
Video Audio	Stereo Mini Jack (x1)		
Stereo Mini Jack (x1)	Stereo Mini Jack (x1)		

Sony 4750 FWD-S47H1 Rev 3 DST

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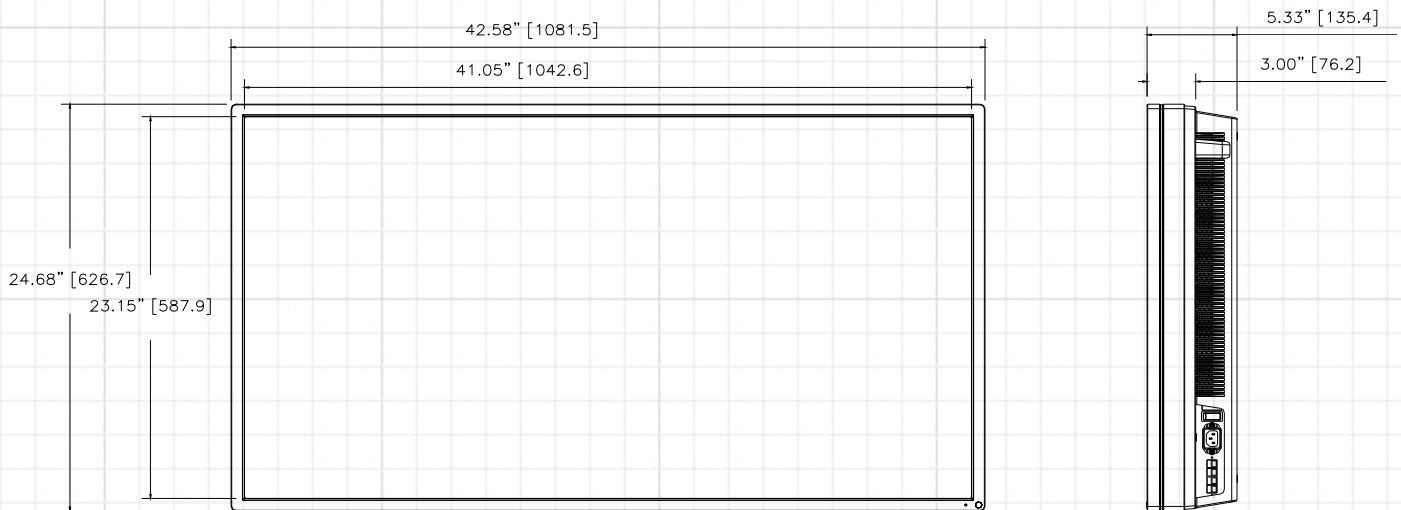
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4750 Sony Dimensional Drawing



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

- **Total additional weight to monitor:** 7.5 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-S47H1:** 1/4"

Touch screen Connector Specifications:

- **Interface:** USB or RS-232 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 4750 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 4750 series DST touch screen monitor.

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