



FWD-S47H1

47" public LCD display with 1080 Full HD (1920 x 1080) resolution.

The versatile new FWD-S47H1 and FWD-S42H1 Full HD LCD public displays.

These beautiful new 42" and 47" public displays bring you the astounding picture quality of 1920 x 1080 Full High Definition in a slim bezel format, together with a host of application-enhancing features:

- Landscape or portrait presentation with optional messaging board for retail displays and video walls
- Special conference mode, and wide angle viewing for videoconferencing
- DVI and optional HD-SDI and HDMI connectivity for broadcast users
- Gamma setting in accordance with DICOM standards for affordable medical applications

Features

Adaptable, robust, durable, more environmentally friendly and better connected.

These powerful public displays are rich in cutting edge Sony innovation and are designed to operate faultlessly in even the most demanding 24/7 installations.

Landscape/portrait - more adaptable in every application

Unique Sony LCD technology has overcome 'gravity gap' issues sometimes seen with plasma and other manufacturer's LCD units, ensuring operation in landscape or portrait mode without compromising performance.

Eco power consumption - more environmentally friendly

Innovative use of backlighting has enabled us to create industry-leading brightness at 700cd/m² with a power consumption of just 210w - up to 15% less than leading competitors. Eco-mode provides further operational savings.

Built for public display - robust and slim

Our 19mm bezel has been designed to offer you maximum visibility, while providing the sturdy protection and robustness you need for reliable operation in retail leisure and corporate applications.

A wider choice of network options - better connected

Equipped with an RJ45 network port, a complete range of HD inputs (DVI, and optional HDMI and HD-SDI), compatible with the Sony BKM-FW50 SD digital signage system and next generation boards, and with a gamma setting to DICOM standards, these displays will work in virtually any application from professional broadcast and retail, to corporate, medical and security markets.

Longevity guaranteed - designed to be durable

These public displays use new LCD materials to avoid 'image storage' issues and to ensure perfect images in even the most demanding 24/7 retail, corporate and security installations.

Five picture modes

Includes vivid display with brightness boost, standard, fixed custom settings, conference mode

for optimum pictures with fluorescent lights and a True Color Control function.

Three screen saver functions

Choose from revert to standby, all white, or a scrolling sweep, based on inactivity time intervals from 30 minutes to 23 hours.

Four gamma settings

Choose from high, mid, low or DICOM option for medical applications.

Multiple display, PiP and PAP commands

Create any combination of multiple displays from one row with up to four screens, to a full four by four matrix, and set up a single command to control all of them.

Eco-setting option

Use the eco-setting to reduce what is already the lowest available power consumption/performance still further, while maintaining excellent brightness, contrast and clarity.

Benefits

Totally versatile

The S47H and S42H1 are packed full of special features to make them easier to use - even in specialist applications such as those listed below.

Video walls and multiple messaging

Full HD, sleek thin bezel design, slim profile and overscan on/off mode enable the S47H and S42H1 to create the most visibly stunning video walls and the sharpest messaging systems. High contrast, high brightness promotes products and messages with outstanding impact. Network reporting ensures easy management - power efficiency delivers reduced operating costs.

Broadcast

With the Full range of HD inputs - DVI as standard, with optional HDMI and HDS DI, the S47H and S42H1 can bring Full HD high brightness, high contrast viewing to broadcast applications, ensuring production staff, clients and other interested parties enjoy a true representation of content.

Security

The clarity of Full HD with the option to reduce brightness levels creates a more productive environment for security professional viewing multiple screens. Larger screens with 'Picture and Picture' (PAP) and 'Picture in Picture' (PiP) capability enable more locations to be viewed on one screen, reducing capital outlay and increasing viewing efficiency.

Retail, leisure and corporate display

Exceptional high brightness and wide viewing angles combined with the incredible visual impact of Full HD images make the S47H and S42H1 ideal for reception areas, boardrooms, meeting rooms, concourses in airports and conference centres. Durable design and power efficiency will reduce costs and ensure longevity, even in 24/7 operations.

Medical

With a gamma setting in accordance with the Grayscale Standard Display Function (GSDF) of the Digital Imaging and Communications in Medicine (DICOM) standards, the S47H and S42H1 can provide affordable medical reference viewing at a larger size and higher quality than dedicated displays. They are also perfect for videoconferencing, digital signage and meeting room displays in medical facilities.

Digital signage

The Full HD, high brightness, high contrast, wide angle viewing enables pin sharp messaging from distance and close-up, day or night. Compatibility with the Sony BKM-FW50 digital signage system and next generation boards, plus network management options, make these public displays ideal for strong vibrant messaging throughout offices, stadiums, airports, stations, factories and other facilities.

Videoconferencing

The S47H and S42H1 are pre-fitted with screw holes to accommodate an IPELA videoconferencing camera. A single 'conference mode' setting adjusts colour to overcome 'green casts' from office lighting. 'Picture and Picture' (PAP) and 'Picture in Picture' (PiP), plus the ability to integrate with Full HD videoconferencing systems all enhance videoconferences.

Technical Specifications

--Panel--

Panel size (diagonal)	47"
Resolution (H/V)	1920 x 1080 pixels, Full HD
Pixel pitch	0.54 x 0.54 mm (1/46 x 1/46 inches)
Picture size (H/V)	1,040 x 585 mm (41 x 23 1/8 inches)
Panel drive	RGB : 8 bit + FRC (Frame Rate Control), color number : 1.06 billion
Contrast ratio	1000:1 (typical)
Brightness	700 cd/m ² (typical)
Viewing angle	178° (typical)
Response Time	9 ms (typical)
Type	a-Si TFT Active Matrix LCD

--Color system--

Color system	NTSC, PAL, PAL-M, PAL-N, NTSC4.43, PAL60
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--Sampling rate--

Sampling rate	13.5 to 162 MHz
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--Input and Output--

Network port	RJ45 (x1), 10BASE-T/100BASE-TX
Audio out	Stereo mini jack (x1), 500 mV rms, high impedance
S-Video in	Mini DIN 4-pin (x1) Y: 1.0 Vp-p ± 2 dB, sync negative, 75 ohms terminated C: 0.286 (NTSC)/0.3 (PAL) Vp-p ± 2 dB, sync negative, 75 ohms terminated
Video in/out	BNC (x2), composite video, 1.0 Vp-p ± 2 dB, sync negative, 75 ohms, loop-through (automatic termination)

--HD15 (RGB/COMPONENT)--

Video in/out	D-sub 15-pin (female, x2)
Audio in	Stereo mini jack (x1), 500 mV rms, high impedance

--DVI--

DVI in	DVI (x1), DVI Specification Rev. 1.0 compliant/HDMI (available by using a DVI-to-HDMI cable)
Audio in	Stereo mini jack (x1), 500 mV rms, high impedance

--Speaker--

Speaker out (L/R)	Grip connector (x4), 7W + 7W, 6 ohms
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--General--

Power requirements	AC 100 to 240 V, 50/60 Hz, 2.9 A (maximum)
Power consumption	240 W (typical) / 320 (maximum)
Operating temperature	0 to 35 °C (32 to 95 °F)
Storage temperature	-10 to 40 °C (14 to 104 °F)
Humidity	20 to 90%, no condensation
Dimensions (W/H/D)	1082 x 627 x 129 mm (42 5/8 x 24 3/4 x 5 1/8 inches)
Mass	Approx. 30.5 Kg (67 lb 2 oz)

--Regulation Compliance--

Regulation Compliance	UL60950-1, CSA No.60950-1-03 (c-UL), FCC Class B, IC Class B, EN 60950-1 (NEMKO), CE, C-Tick
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