

## FW-55XD8501

55" BRAVIA Professional 4K  
Colour LED Display



### Overview

#### **Immersive 4K picture quality for corporate display, education and digital signage applications**

Bring the eye-catching depth and resolution of 4K to your business with this 55" BRAVIA Professional 4K LED Display. Slim, beautifully styled and energy efficient, it's ideal for corporate presentations, digital signage, video conferencing and educational applications.

4K delivers four times the screen resolution of Full HD, with Sony's powerful 4K Processor X1 assuring extra clarity, colour and contrast for all your visual communications. BRAVIA also supports HDR, allowing you to benefit from the new wave of high-impact content with a wider brightness range.

With an HTML5 platform built in, BRAVIA offers everything you need to build a complete entry-level networked digital signage solution with no extra boxes or player hardware needed. Play out content directly over HDMI, from a connected USB device or over the network. TDM Digital Signage licenses let you create compelling, media-rich signage for one or more screens, with no need for special design skills.

Support for Android TV allows quick customisation and extra functionality with a growing range of B2B applications, including

content sharing, video conferencing and more. Control power, volume, channel change and other functions over the network via a web API. And for even greater versatility, an optional overlay turns BRAVIA into a multi-point touch sensitive display for interactive kiosk and information point applications.

Integration is simple, with flexible mounting and versatile control options. Hotel Professional Mode allows customisation and storage of advanced display settings.

## Features

### **4K image resolution (3840 x 2160 pixels)**

Offering four times the detail of Full HD with a resolution of over 8 million pixels, 4K brings unprecedented clarity to corporate display, education and digital signage applications.

### **Portrait hardware compatibility**

Achieve greater flexibility with portrait hardware compatibility. Now retail, schools and businesses have more choice than ever to create compelling signage for every kind of space, with no prior training needed; add graphics, text, video and sound files in minutes. Full compatibility with TDM Digital Signage.

### **Compatible with HDR (High Dynamic Range)**

View content shot in HDR (High Dynamic Range), with an extra-wide range of brightness levels for impressive contrast and rich colour.

### **Great looking images from any input source**

Sony's powerful 4K X-Reality PRO engine upscales lower-resolution content so it's closer to 4K Ultra HD quality. From client presentations to high-impact digital signage, you'll see the difference with better looking pictures.

### **Greater colours with TRILUMINOS Display**

Our unique TRILUMINOS Display technology enhances your

audience's viewing with a wider palette of rich, natural-looking colours.

### **Do more with the power of Android TV**

Personalise and control BRAVIA Professional Displays with Android TV. Download a growing range of B2B-focused apps to create a customised, even smarter display experience.

### **Easily share content with Google Cast**

Send content to display on BRAVIA from other professional and personal devices, including laptops or Android/iOS phones and tablets.

### **Energy-efficient LED Backlight**

The panel's LED backlight consumes less power than conventional fluorescent backlighting, reducing running costs and permitting an ultra-slim, discreet profile.

### **Practical features for better business**

BRAVIA is great for retail and public display applications: advanced controls include Hotel Mode, HDMI auto wake-up and 17/7 operation.

### **Built-in HTML5 for dynamic box-free signage**

Integrated support for HTML5 makes it easy and cost effective to create your own digital signage content. Combine text, graphics and video with live web feeds and IPTV to produce compelling displays with no dedicated hardware player needed.

### **Quick set-up with Hotel Mode**

Customise and store display settings and features, then copy them easily from display to display via USB flash memory.

### **Versatile remote control options**

Control BRAVIA remotely – including on/off, input signal select and adjust volume – over IP via RJ45 by web API or via RS-232C (RS-232C control requires optional HDMI convertor box CBX-

H11/1).

## **Control with your smartphone**

One-touch Mirroring lets you use your smartphone to swipe, enlarge, move and select content on the big screen for everyone to see.

## **Internet ready**

Ethernet connector and built-in Wi-Fi allow easy wired or wireless Internet connection.

## **Integrated IPTV system**

Stream IPTV content directly to the BRAVIA with no need for any set-top boxes or media players. Add interactive channels, video-on-demand, interactives menus, video security live streams and more.

## **Integrated media player**

Play videos and other media content at up to 4K resolution, directly from USB flash memory or live streaming in a wide range of file formats.

## **Add the interactive power of touch**

Turn BRAVIA into an interactive touchscreen or information kiosk. An optional screen overlay fits seamlessly onto BRAVIA, adding multi-touch capability to allow instant customer interaction. Contact your local Sony dealer for more information.

## **Slim styling and easy cable management**

Sleek, slim styling looks great in any corporate, retail or educational environment. Our convenient new cable management system ensures a neat appearance without visible wires.

## **Easy, flexible integration**

The slim, stylish display offers VESA standard mounting for easy integration, and blends elegantly into a wide range of corporate,

retail or educational environments.

## Specifications

### Display features

|                |               |
|----------------|---------------|
| Dimming type   | Frame Dimming |
| Display device | LCD           |
| Backlight type | Edge LED      |
| Operation time | 17/7          |

### Display specifications

|                                    |                   |
|------------------------------------|-------------------|
| Brightness (cd/m <sup>2</sup> )*** | 450               |
| Native contrast ratio              | 1400:1            |
| Response time (ms)                 | 5                 |
| Dynamic contrast ratio             | over 1 million    |
| Viewing angle (Right/Left/Up/Down) | 178 (89/89/89/89) |
| Display resolution                 | 4K (3840x2160)    |
| Aspect ratio                       | 16:9              |
| Android system                     | Yes               |

|                                    |         |
|------------------------------------|---------|
| Portrait (Hardware compatibility)* | Yes**** |
|------------------------------------|---------|

## TV System

|       |                 |
|-------|-----------------|
| Tuner | DVB-T/T2/C/S/S2 |
|-------|-----------------|

|                  |   |
|------------------|---|
| Number of tuners | 2 |
|------------------|---|

## Video specs

|           |   |
|-----------|---|
| Wide Mode | Full/Normal/Wide<br>Zoom/Zoom/Caption/14:9 for Video<br>Normal/Full1/Full2 for PC |
|-----------|---|

|             |     |
|-------------|-----|
| 4:3 Default | Yes |
|-------------|-----|

|                  |                  |
|------------------|------------------|
| Video Processing | 4K X-Reality Pro |
|------------------|------------------|

|            |                     |
|------------|---------------------|
| Motionflow | Motionflow XR 800Hz |
|------------|---------------------|

|                     |     |
|---------------------|-----|
| Compatible with HDR | Yes |
|---------------------|-----|

|           |   |
|-----------|---|
| PC Format | 640x480(60Hz),<br>800x600(60Hz),<br>1024x768(60Hz),<br>1280x1024(60Hz),<br>1600x900(60Hz),<br>1152x864(75Hz),<br>1680x1050(60Hz), |
|-----------|---|

1920x1080(60Hz),  
3840x2160(30Hz)

Video Signal

4096x2160p(24, 50, 60Hz),  
3840x2160p(24, 25, 30, 50, 60Hz),  
1080p(30, 50, 60Hz), 1080/24p,  
1080i(50, 60Hz), 720p(30, 50, 60Hz),  
720/24p, 576p, 576i 480p, 480i  
Up to 18Gbps:4K 60p 4:4:4(8bit),  
4:2:2(8,10,12bit), 4:2:0(8,10bit) HDR  
included for HDMI 1/2/3/4

HDMI auto wake-up Yes

## Audio specs

Speaker position Down Firing

Audio Power Output 10W+10W

Invisible speaker Yes

## Signage specs

Easy HTML5 Signage  
embedded Yes

Multicast / IPTV Yes (UDP/RTP)

Customised design, text, pictures,  
videos, PowerPoint, YouTube,

|                    |   |
|--------------------|---|
| Compatible content | traffic, weather, public information, Facebook, Twitter and more. |
|--------------------|---|

## Network specs

|                             |                      |
|-----------------------------|----------------------|
| Wi-Fi direct                | Yes                  |
| Wi-Fi Certified             | Yes                  |
| DLNA                        | Yes                  |
| Miracast (screen mirroring) | Yes                  |
| Firmware update             | Yes (network or USB) |
| Internet Browser            | Yes (Opera)          |
| Wireless LAN                | Integrated           |

## Convenience features

|                     |  |
|---------------------|--|
| USB Play (contents) | MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI(XVID) / AVI(MotionJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / WAV / JPEG / MPO / RAW(ARW) |
| On screen clock     | Yes  |



|             |     |
|-------------|-----|
| Sleep timer | Yes |
|-------------|-----|

|              |     |
|--------------|-----|
| On/Off timer | Yes |
|--------------|-----|

|             |     |
|-------------|-----|
| Google Cast | Yes |
|-------------|-----|

## Control specs

|                |     |
|----------------|-----|
| Hotel Mode Pro | Yes |
|----------------|-----|

|            |     |
|------------|-----|
| IP Control | Yes |
|------------|-----|

|                 |     |
|-----------------|-----|
| RS-232C Control | Yes |
|-----------------|-----|

## Inputs and outputs

|      |     |
|------|-----|
| HDCP | 2,2 |
|------|-----|

|                           |          |
|---------------------------|----------|
| RF Connection<br>Input(s) | 1 (Side) |
|---------------------------|----------|

|                     |          |
|---------------------|----------|
| IF (BS/CS) Input(s) | 2 (Side) |
|---------------------|----------|

|                             |                             |
|-----------------------------|-----------------------------|
| Composite Video<br>Input(s) | 1 (Rear Hybrid w/Component) |
|-----------------------------|-----------------------------|

|                                       |          |
|---------------------------------------|----------|
| Component Video<br>(Y/Pb/Pr) Input(s) | 1 (Rear) |
|---------------------------------------|----------|

|                              |          |
|------------------------------|----------|
| SCART (without<br>Smartlink) | 1 (Rear) |
|------------------------------|----------|

|                     |  |
|---------------------|--|
| HDMI™ Connection(s) |  |
|---------------------|--|

(Total) 4 ( side3, rear1)

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Analog Audio Input(s)  
(Total) 2 (Rear)

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Digital Audio Output(s) 1 (Side)

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Audio Out 1 (Side/Hybrid w/HP and  
Subwoofer Out)

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USB 3 (side)

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Ethernet  
Connection(s) 1 (side)

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PCMCIA Slot(s) 1 (Top)

## Design features

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Finish (Surface Color) Black

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Table Top Stand Separate(assembly required)

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VESA® Hole Spacing  
Compatible Yes

## Eco and energy saving

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Energy Label Rating A

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Screen size (measured  
diagonally) 55"(54.6") / 138.8cm

|   |  |
|---|--|
| Power Consumption(in operation: vivid/standard) | 157W/103W                                    |
| Annual Power Consumption                        | 143kWh/Year                                  |
| Power Consumption (in Standby)                  | 0.5W   |
| Power Consumption (Networked Standby)           | 3.00W(Wi-Fi) / 3.00W(LAN) / 0.50W(Bluetooth) |
| Peak Luminance Ratio                            | 74%  |
| Lead content                                    | Yes  |
| Mercury content (mg)                            | 0.0  |
| Light Sensor                                    | Yes  |
| Dynamic Backlight Control                       | Yes  |
| Power Saving Mode / Back Light Off Mode         | Yes  |
| AC Power Input                                  | AC ADAPTER                                   |

## Measurements

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Display Only (WxHxD)<br>(Approx.) | Approx. 123.1x71.7x4.4(1.12) cm |
|-----------------------------------|---------------------------------|

|   |                            |
|---|----------------------------|
| Display with Stand<br>(WxHxD) (Approx.) | Approx. 123.1x77.0x26.3 cm |
|---|----------------------------|

|                                     |                                |
|-------------------------------------|--------------------------------|
| Package Carton<br>(WxHxD) (Approx.) | Approx. 155.2 x 82.5 x 18.2 cm |
|-------------------------------------|--------------------------------|

## Weight

|              |                 |
|--------------|-----------------|
| Display Only | Approx. 15.1 Kg |
|--------------|-----------------|

|                    |                 |
|--------------------|-----------------|
| Display with Stand | Approx. 18.6 Kg |
|--------------------|-----------------|

|                |       |
|----------------|-------|
| Package Carton | 27 kg |
|----------------|-------|

## Service and Warranty

|                      |                                |
|----------------------|--------------------------------|
| Service and Warranty | 3 Years with Advanced Exchange |
|----------------------|--------------------------------|

## Notes

|   |  |
|---|--|
| * | Please contact your Sony dealer for more Information |
|---|--|

|     |                             |
|-----|-----------------------------|
| *** | Typical value of panel spec |
|-----|-----------------------------|

|      |                                    |
|------|------------------------------------|
| **** | SU-WL500 wall mount is recommended |
|------|------------------------------------|



## Gallery



