

## KD-55A1PSD

55" BRAVIA 4K HDR OLED Professional Display



## Overview

**Extraordinary 4K HDR OLED picture quality with professional features and the power of Android**

Bring the eye-catching depth, contrast and resolution of 4K HDR to your business with this stunning 55" BRAVIA 4K OLED Professional Display. Slim, beautifully styled and energy efficient, it's ideal for a wide range of corporate presentation, higher education, digital signage and general display applications.

Latest OLED technology brings reality even closer, with truly spectacular contrast plus extraordinary detail, depth, textures and colours. 4K delivers four times the resolution of Full HD, with Sony's ground-breaking 4K Processor X1 Extreme assuring the ultimate 4K HDR visual experience. And with our innovative Backlight Master Drive, brightness and contrast levels are expanded to take full advantage of today's 4K HDR (High Dynamic Range) content. Even standard dynamic range HD content is upscaled to near 4K HDR quality for unforgettable clarity, colour and impact with any input source.

The stunning edge-to-edge design of BRAVIA is sure to impress in any setting. And thanks to Acoustic Surface™ technology, sound comes directly from the 55" screen without the need for surrounding speaker grilles.

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. 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.

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.

**OLED brings reality closer with incredible contrast**

Experience incredible contrast and lifelike colour. Controlled by the X1 Extreme processor, over 8 million self-illuminating OLED pixels can be individually turned off completely to deliver absolute black. And because each pixel lights up independently, you'll see even more accurate detail, colour and shades in every scene.

**4K HDR Processor X1 Extreme**

Delivering the ultimate 4K HDR visual experience, Sony's power-packed 4K Processor X1 Extreme incorporates three new technologies - object-based HDR remaster, dual database processing and Super Bit Mapping - taking any 4K HDR content to new levels of realism with smooth, subtle colour gradations and ultra-low noise. Even standard dynamic range HD content is upscaled to near 4K HDR quality.

**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.

**Sound that comes from the screen**

Sony's innovative Acoustic Surface™ technology delivers crisp, immersive sound directly from the screen - you won't see any surrounding speaker grilles to distract from the viewing experience.

**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.

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

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

#### **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 Professional 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, interactive 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.

#### **Elegant styling and easy cable management**

Sleek, contemporary styling looks great in any corporate, retail or educational environment. Our convenient 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

### TV System

Tuner	DVB-T/T2
Number of tuners	1 (Digital / Analog)

### Display features

Display device	OLED
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### Video specs

Wide Mode	Wide zoom/Normal/Full/Zoom/14:9
4:3 Default	Yes
Video Processing	4K X-Reality PRO
Motionflow	Motionflow XR
Compatible with HDR	Yes (HDR 10, HLG) [[F_TA0002]]

## Video specs

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
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## Audio specs

Speaker position	Back
Audio Power Output	10W+10W+10W+10W+10W

## Network specs

Wi-Fi Direct	Yes
Wi-Fi Certified	Yes
DLNA	Home Network Client / Home Network Renderer
Miracast (screen mirroring)	Yes
Firmware update	Yes
Internet Browser	Opera
Wireless LAN	Integrated

## Convenience features

USB Play (contents)	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2,AVC/MP4(XAVCS):AVC,MPEG4, /AVI:Xvid,MotinJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.H.264 /WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/WAV/MP4AAC/FLAC/JPEG
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On screen clock	Yes
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Sleep timer	Yes
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On/Off timer	Yes
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Google Cast	Yes
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## Inputs and outputs

HDCP	HDCP2.2 (for HDMI 1/2/3/4)
RF Connection Input(s)	1 (Bottom)
Composite Video Input(s)	1 (1 Bottom Analog Conversion)
HDMI™ Connection(s) (Total)	4 (Bottom 4)
Digital Audio Output(s)	1 (Bottom)
Audio Out	1 (Bottom/Hybrid w/HP and Subwoofer Out)
USB	1 (Side), 2 (Bottom)
Ethernet Connection(s)	1 (Bottom)

## Design features

Finish (Surface Color)	Black
Table Top Stand	Separate (assembly required)

## Design features

VESA® Hole Spacing Compatible	Yes
VESA® Hole Pitch	400x200 mm

## Eco and energy saving

Screen size (measured diagonally)	55" (54.6")
Power Consumption (Rated/standard)	357W
Annual Power Consumption	502 kWh/Year
Power Consumption (in Standby)	0.5W
Power Requirements	AC 110-240V
Power Saving Mode / Back Light Off Mode	Yes
Light Sensor	Yes
AC Power Input	1 (Bottom)

## Measurements

Display Only (WxHxD) (Approx.)	Approx. 1228 x 711 x 86 (7.8) mm
Display with Stand	Approx. 1228 x 710 x 339 mm
Package Carton	Approx. 1366 x 875 x 198 mm

## Weight

Display Only	25
Display with Stand	28.8
Package Carton	39

## Display specifications

Viewing angle (Right/Left)	178 (89/89) degree
Viewing angle (Up/Down)	178 (89/89) degree
Display resolution	QFHD
Aspect ratio	16:9
OS	Android

## Signage specs

Easy HTML5 Signage embedded	Yes
Multicast / IPTV	Yes

## Control specs

RS-232C Control	1 (Bottom/ Mini Jack)
Hotel Mode Pro	Yes
IP Control	Yes
HDMI auto wake-up	Yes

