

SONY

XBR-77A1E

77" class (76.7" diag) BRAVIA OLED 4K HDR OLED TV

True reality comes to life with perfect black and color. Sony's OLED TV creates exquisite, unprecedented contrast with over 8 million precisely and individually controlled self-illuminating pixels. Immerse yourself completely in the entertainment with sound that comes from the entire screen, with the world's first Acoustic Surface.



Bullets

- OLED TV with perfect black and color.
- 8 million self-illuminating pixels controlled by the X1 Extreme processor
- The dramatic contrast, color and detail of 4K HDR^{1, 2}
- Pictures and sound in perfect harmony with world's first Acoustic Surface
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display and 4K HDR Super Bit Mapping
- The stand and speakers disappear, leaving only a brilliant picture
- Android™ TV with Google Home compatibility gives you a genius TV
- 4K X-Reality PRO & Dual Database Processing provides lifelike detail and clarity
- Live TV streaming, no annual contract with PlayStation™ Vue
- Lifelike motion with Motionflow™ XR technology

Features

Exquisite contrast, perfect blacks

Sony's OLED TV is like nothing you've ever seen before with truly exceptional black, shadow and color. Over 8 million self-illuminating pixels are precisely and individually controlled by the X1 Extreme processor creating exquisite, unprecedented contrast.

Pure black, perfect vision

Our OLED pixels work individually and can be turned off completely to deliver absolute black. This level of supreme contrast reveals detail, depth, textures and colors for a view that is stunningly real.

Uncover the detail with 4K HDR

High Dynamic Range (HDR) will change the way you look at TV. Combined with 4K Ultra HD resolution¹, HDR video content delivers exceptional detail, color and contrast, with a far wider range of brightness than other video formats². The result is the most lifelike picture TVs have ever been able to create, with brilliant highlights and fine detail.

Everything should look like 4K HDR

Our newly developed 4K HDR Processor X1 Extreme outperforms our conventional 4K Processor X1 with 40% more real-time image processing power. It takes everything you watch and improves it to near 4K HDR quality¹. Object-based HDR Remaster technology can detect, analyze and optimize each object in the picture individually to adjust the overall contrast for a more natural and realistic picture on screen.

A revolution in TV sound

Unlike most TV speakers, sound comes to you from the entire screen, immersing you in exciting new entertainment experiences. It's pictures and sound in perfect harmony.

Vibrant colors, smooth gradations

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Only when surrounded by true black do colors seem really vibrant. Colors are as rich and vivid as nature's own thanks to the TRILUMINOS™ Display with more shades of red, green and blue than ever before. You'll enjoy rich, authentic images that evoke the emotion in every scene. And, 4K HDR Super Bit Mapping reveals thousands of shades and gradations of light, for sunsets as bright and clear as real life.

360 degrees of sophistication

No distractions. This OLED TV is more than just beautiful. It's designed so that the stand and speakers virtually disappear—appearing as if it's floating—leaving only the brilliance of its picture. The screen is edged with a slim 4-side frame that maximizes the viewing area.

A genius TV, a smarter home

Find all the entertainment you can dream of, faster than ever. From movies and TV shows to thousands of apps, Sony's Android™ TV brings you everything in an instant³. Cast your favorite apps with Google Cast, and Voice Search helps you find the entertainment you want. And with Google Home compatibility, simply voice-control your TV and ask it to do things, like play your favorite YouTube videos.

Upscale to a more natural picture

The difference is clear. You'll see lifelike detail and stunning clarity, no matter what you're watching. Two powerful image improvement databases work together, dynamically improving images in real time. 4K X-Reality PRO™ upscales images to near 4K clarity while a second database cleans the picture and reduce on-screen noise¹. Every single pixel is enhanced beautifully by the powerful 4K HDR Processor X1 Extreme.

Live TV, no annual contract

PlayStation™ Vue now available on Android TV. Enjoy live TV streaming with no annual contract and no surprise fees. Experience premium content, including sports, news and more, from your favorite networks.

Motionflow™ keeps the action smooth

TV that keeps up with real life. Sony's refresh rate technology enhances the OLED's unique panel speed to allow fast moving action sequences in sports and movies to be seen with lifelike clarity.

Maximize the viewing area

The screen is edged with a slim 4-sided frame that maximizes the viewing area.

Just say what you want

Spend less time browsing, and more time watching. Voice search on Android TV™ provides you with the power of Google search in 42 languages, allowing you to find content across different services without the hassle of time-consuming text entry.

Send to a bigger, better screen with Google Cast™

Send movies and music from your smartphone to your TV with Google Cast™. Use your phone as a remote control³

Your favorite apps, on your TV

Enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Amazon Video, Hulu, Pandora and more. Also, play your favorite Android games on the big screen³.

Clean rear look

Keep wires out of sight, thanks to a hidden cable panel structure, for a clean look.

Specifications

Audio			
Audio Power Output	5 x 10W	Advanced Auto Volume	Yes
Bass/Treble/Balance	Balance	Alternate Audio (Digital)	Yes
DSEE/DSEE-HX	DSEE	ARC Output Format	Two channel linear PCM: 48kHz 16bits, Dolby Digital, Dolby Digital Plus, DTS
Speaker Configuration	2.1ch, Actuator (25 mm) x 4, Woofer (80 mm) x 1	Audio Out	Fixed / Variable
Speaker Position	Black	Auto Mute (on no signal)	Yes
Speaker Type	Acoustic Surface (Actuator+Subwoofer)	Auto Surround	Yes
Audio Features		Clear Audio+	Yes
		Clear Phase	Yes
		Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Digital, DTS
		Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby Pulse
		DTS audio format support	DTS Digital Surround
		HDMI Audio Return Channel(ARC)	Yes

HDMI input Audio format	5.1 channel linear PCM: 32, 44.1, 48, 88.2, 96, 176.4, 192kHz, 16, 20, 24bits, Dolby Digital, Dolby Digital Plus, DTS
Headphone/Speaker Link	Yes
Simulated Surround Sound	S-Force Front Surround
S-Master	S-Master Digital Amplifier
Sound Modes	Standard, Cinema, Live Football, Music
Convenience Features	
Application Store	Yes (Google Play Store)
Auto Picture Mode	Yes
Auto Shut-off	Yes
Channel Block (with password)	Analog & Digital
Chromecast built-in	Yes
HDMI-CEC	Yes
i-Manual	Yes
Multiple Language Display	English, Spanish, French
On/Off Timer	Yes
On-Screen Clock	Yes
Parental Control	Yes
Show/Hide Channels	Yes (Digital & Analog)
Sleep Timer	Yes
Text Input Language	BUL / CAT / HRV / CES / DAN / DUT / ENG / EST / FIN / FRA / GER / GRK / HUN / ITA / LAV / LIT / NOR / POL / POR / RON / RUS / SLK / SLV / SPA / SWE / TUR / UKR / THA / VIE / ARA / FAS / JPN
USB drive format support	Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)
USB playback codecs	MPEG1:MPEG1/ MPEG2PS:MPEG2/ MPEG2TS(HDV,AVCHD): MPEG2,AVC/
Voice Search	Yes
Customizing Capability	
RS-232C Control	Yes
Design Features	
Cable Management	Yes
Frame color	Black
Illumination LED	Yes
Display Features	
Display type	OLED
TRILUMINOS Display	Yes
Display	
Aspect Ratio	16:9
Display Resolution	QFHD

Display resolution (H x V, pixels)	3840 x 2160
Screen Size (cm, measured diagonally)	194.7 cm
Screen Size (inch, measured diagonally)	77" (76.7")
Viewing Angle (Right/Left)	178 (89/89) degree
Viewing Angle (Up/Down)	178 (89/89) degree
Energy Saving & Efficiency	
Power Saving Modes	Yes
General Features	
Closed Captions (CC)	Analog Digital
Demo Mode	Yes (only pre-installed 4k demo video)
Hotel Mode Menu	Yes
Inputs and Outputs	
4K 60P High-Quality formats	Up to 18Gbps:4K 60p 4:4:4(8bit), 4:2:2(8, 10, 12bit), 4:2:0(8, 10bit) HDR included for HDMI 2/3
AC Power Input	1 (Bottom)
Analog Audio Input(s) (Total)	1 (1 Bottom Analog Conversion)
Audio / Headphone Output(s)	1 (Bottom / Hybrid w/HP and Subwoofer Out)
Bluetooth profile support	Version 4.1 HID / HOGP / SPP / A2DP(via firmware update) / AVRCP(via firmware update)
Composite Video Input(s)	1 (1Bottom Analog Conversion)
Digital Audio Output(s)	1 (Bottom)
Ethernet Connection(s)	1 (Bottom)
HDCP	HDCP2.2 (for HDMI1/2/3/4)
HDMI inputs total	4 (Bottom4)
HDMI PC Input Format	640 x 480@60Hz 800 x 600@60Hz 1024 x 768@60Hz 1280 x 1024@60Hz 1600 x 900@60Hz 1152 x 864@75Hz 1680 x 1050@60Hz 1920 x 1080@60Hz
HDMI Signal	4096x2160p(24, 60Hz), 3840x2160p(24, 30, 60Hz), 1080p(30, 60Hz), 1080/24p, 1080i(60Hz), 720p(30, 60Hz), 720/24p, 480p, 480i
Headphone Output(s)	1 (Bottom / Hybrid w/Audio Out and Subwoofer Out)
RF Connection Input(s)	1 (Bottom) (Terrestrial/ Cable)

RS-232C Input(s)	1 (Bottom / Mini Jack)
Subwoofer Out	1 (Bottom / Hybrid w/HP and Audio Out)
USB Port(s)	1 (Side), 2 (Bottom)
Network Features	
Codec for Home Network	MPEG1:MPEG1/ MPEG2PS:MPEG2/
Featured (Content Bar)	Yes
Home Network Feature	Home Network Client / Home Network Renderer
Internet Browser	Opera (not pre-Installed)
Live Football Mode	Yes
Other Network Features	Content Bar: Yes Genre Categories (Content Bar): Yes Related Info: Yes (US / Canada / MX(STB))
Photo Sharing Plus / Photo Share	Yes
Screen mirroring(Miracast™)	Yes
Social Viewing	Yes
Trending on Twitter	Yes (only US)
TV SideView™	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz/5GHz
Wi-Fi Standard	a/b/g/n/ac
Wireless LAN	Integrated
Power	
Annual Power Consumption	390 kWh/Year
Power Consumption (In Operation)	744W
Power Requirements (frequency)	60Hz for UL cUL 50/60Hz for other
Power Requirements (voltage)	AC 120V for UL cUL AC 110-240V for other
Regulation and Standards Compliance	
VESA® Hole Pitch	15 3/4 x 11 7/8 inch (400 x 300 mm)
VESA® Hole Spacing Compatible	Yes
Sensing Features	
LightSensor™ Technology	Yes
Service and Warranty Information	
Limited Warranty Term	12 Months
TV System	
Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/ CATV: 1-135
Color Space	sRGB/
Color System	NTSC

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Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)	Dimensions (Approx.)	TV only: 67 7/8 x 39 3/8 x 4(3/8) inch (1721 x 997 x 99 (8.9) mm)
On-board Storage (GB)	16GB		TV with stand: 67 7/8 x 39 1/8 x 15 3/4 inch (1721 x 993 x 399 mm)
OS	Android 6.0, Marshmallow		Stand Width: 18 3/4 inch (475 mm)
Tuner Channel Coverage (Digital Cable)	CATV: 1-135		AC Cable Length: 2000 mm
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69		
TV System (Analog)	M	Weight (Approx.)	TV only: 83.3 lb (37.8 kg)
TV System (Digital Cable)	Clear QAM		TV with stand: 99.8 lb (45.3 Kg)
TV System (Digital Terrestrial)	ATSC	Accessories	
Video Features		Supplied Accessories	Voice Remote Control (RMF-TX201U)
24p True Cinema	Yes		Batteries (R03)
4:3 Default	Yes		AC Power Cord Spec (US, 2pin, flat blades, Polarity)
4K Processor	X1 Extreme		IR Blaster (1-849-161-12)
Auto Wide	Yes		Operating Instructions
Blinking Type	Frame Blinking		Quick Setup Guide / Supplement CUE (GA)
Dual database processing	Yes		Table Top Stand (Separate, assemble required)
Dynamic Contrast Enhancer	Yes		
Face Area Detection	Yes		
HDR (High Dynamic Range) compatibility	Yes		
Live Color™ Technology	Yes		
Mastered in 4K	Yes		
Motionflow™ XR Technology	Motionflow XR		
Object-based HDR remaster	Yes		
Panel Refresh Rate (Native Hertz)	120Hz		
PhotoTV HD	Yes		
Picture Modes	Vivid, Standard, Custom, Cinema Pro, Cinema Home, Sports, Animation, Photo-Vivid, Photo-Standard, Photo-Custom, Game, Graphics		
Precision Color Mapping	Yes		
Super Bit Mapping™ 4K HDR	Yes		
Video Processing	4K X-Reality PRO		
Wide Mode	Wide / Normal / Full / Zoombr Normal / Full1 / Full2 for PC		
Weights and Measurements			

1. 3,840 x 2,160 pixels.

2. Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video.



3. Broadband speed of at least 2.5 Mbps recommended for SD services, 10 Mbps for HD streaming or 4K downloads, 20 Mbps for 4K Ultra HD streaming. Wireless connectivity requires 802.11 home network (802.11n recommended). Network services, content, and the operating system and software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

4. Requires compatible devices connected to the same network. Google Cast requires mobile devices with Android 2.3 or higher, or iOS 6.0 or higher and Chromecast application. Google Play using Android TV Remote Control application requires Android 4.0 or higher; not available for iOS. Voice Search is available using the included remote control, Android TV Remote Control application with Android 4.0 or higher, or using Sony's TV SideView application available for Android 4.0.3 or higher or iOS 7.0 or higher.

5. Service not available in all areas. See www.psvue.com for details. Sony Entertainment Network Account is required. Network services, content, and the operating system and software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

6. Google Home device (sold separately) compatible with Sony TV's powered by Android TV. Requires compatible devices connected to the same wireless home network. Download the Google Home app from the iPhone App Store or Google Play. Subject to third party app terms and conditions. User must link compatible devices in order to control operation. Once download is complete, the Google Home feature may be connected to the Sony device to access the voice control function.

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