SONY

XBR55A8H

A8H® BRAVIA OLED 4K HDR TV

Experience an ultra-realistic image with the power of OLED technology. The powerful Picture Processor X1™ Ultimate utilizes over 8 million individual pixels[1] to create an image with exquisite contrast and vibrant color. Pixel Contrast Booster supercharges each pixel to deliver incredible picture quality.

Bullets

- Bring out the beauty of OLED with the powerful Picture Processor X1 Ultimate.
- Millions of individual pixels are supercharged by the Pixel Contrast Booster for more vibrant colors to complement absolute OLED black.[1]
- Acoustic Surface Audio produces 2.1 channel sound from the entire screen, creating an immersive multidimensional audio experience.
- With easy access to all your favorite content, services and devices, our Android Smart TVs make life simpler.[3]
- Experience a more natural picture with 4K X-Reality PRO & Object-Based Super Resolution.
- See exactly what the creator intended with the advanced color and gradation of TRILUMINOS™ Display.
- OLED + X-Motion Clarity makes fast-moving scenes bright and clear

- Picture and sound are automatically adjusted to your environment with Sony's unique Ambient Optimization™ technology.
- Compatible with Google Home[5], Amazon Alexa[6], and Apple HomeKit[7] for an even smarter home.
- See the big picture with HDR[1], Dolby Visions™[8], IMAX Enhanced™[9] and Netflix Calibrated Mode.[10]
- The super-slim one-slate design and narrow aluminum bezel harmoniously blends into any environment, keeping you focused on the picture.[11]
- Premium metal low profile stand for distraction-free viewing or can be adjusted to raise the TV to fit a soundbar seamlessly.
- Hang your TV like a work of art with the SU-WL855 ultra-slim wall-mount bracket for select Sony BRAVIA™ OLED and LED TVs.[12]
- CalMAN™ auto calibration mode makes high-performance screen calibration easier than ever.[13]

Features

Picture Processor X1™ Ultimate, bringing the best out of OLED beauty.

With unmatched processing power, the Picture Processor X1™ Ultimate analyzes content to bring out OLEDs intense contrast with pure blacks, peak brightness and natural colors. Object-based HDR remastering happens in real time to detect hundreds of individual objects on-screen and intelligently upscale everything you see to near-4K HDR quality so everything you watch is clear, bright, and incredibly realistic.[1,2]

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Boosting OLED color and contrast for extra depth and realism.

Over 8 million self-illuminating pixels[1] are precisely and individually controlled by the Picture Processor X1™ Ultimate and supercharged via the Pixel Contrast Booster to enhance color and contrast in bright areas so you can enjoy scenes full of lifelike shades and hues, more depth, fine texture, and the pure black contrast that only OLED can deliver.

Acoustic Surface Audio

Sound on conventional TVs with a speaker located below the screen is often out of sync with the picture. With our Acoustic Surface Audio, sound comes to you from the entire screen, creating an immersive multidimensional audio experience. It's picture and sound in perfect harmony. With a subwoofer integrated into the rear of the TV, you'll hear more dynamic, bass-heavy sound – ideal for action movies and music.

Watch what you love, control it with your voice.

Sony's Android TV with the Google Assistant provides a smarter viewing experience. Easily search and watch your favorite movies, get answers on screen like sports scores or weather updates, control your TV and even your home - all with your voice. Just start with pressing the Google Assistant button on your remote to ask it questions, control smart home devices or access many of the apps and services you already use every day.[3] In addition, cast your favorite apps with Chromecast built-in[4], or enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Prime Video, Spotify, and more.[3]

Supreme resolution, whatever you're watching

Any kind of content can be upconverted to lifelike 4K resolution[1,2] with Sony's unique 4K X-Reality PRO and Object-Based Super Resolution. Our Picture Processor X1™ Ultimate precisely analyses and processes data to enrich pictures with lifelike detail, textures, and clarity in everything you watch. Leveraging intelligent dual database processing, content looks cleaner with less on-screen noise. Even images filmed in Full HD are upscaled close to 4K resolution by 4K X-Reality™ PRO.[1,2] Every single pixel is enhanced beautifully by Sony's Picture Processor X1™ Ultimate.

TRILUMINOS Display, bringing you all the world's colors

By widening the color spectrum, TRILUMINOS Display, powered by the Picture Processor X1 Ultimate, reproduces more colors than a conventional television. It analyzes and processes data in every image to make colors even more natural and precise, so pictures are closer than ever to real life. See exactly what the creator intended with the advanced color, light, and gradation of the TRILUMINOS™ Display.

Bright and clear motion.

With pictures created by millions of individually controlled pixels, everything is sharp and clear on OLED. And with our X-Motion Clarity™ technology, even fast action stays smooth and clear. Moving images are precisely controlled to minimize blur so that pictures remain true with less loss in brightness during high speed scenes.

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Supreme pictures and sound, whatever the environment.

Sit back and enjoy the best possible viewing experience. Sony's unique Ambient Optimization™ technology automatically adjusts picture and sound to your environment. An embedded light sensor optimizes picture brightness to room conditions, boosting brightness in light rooms and reducing it in dark ones, so you get the perfect view. For uncompromised sound, Acoustic Auto Calibration™ analyzes the rooms environment and reproduces sound that's enhanced and optimized to your room.

Well-connected to your smart home.

With Google Home[5] and Amazon Alexa[6] compatibility, simply voice-control your TV and ask it to do things like cast and control videos from YouTube with Google Home or change the channel or volume with Amazon Alexa. Apple HomeKit and Airplay 2 support seamlessly integrate your iPhone and Siri devices with your Sony TV for effortless smart home management and content streaming.[7]

See the big picture with HDR, Dolby Visions, IMAX Enhanced and Netflix Calibrated Mode.

High Dynamic Range (HDR) picture is the way TV was always meant to be watched. Ultra-high resolution and HDR video content combine to bring dazzling detail, color and contrast to everything you watch, while keeping a far wider range of brightness.1 Dolby Vision™ brings scenes to life with striking highlights, deeper darks and vibrant colors.[8] The IMAX Enhanced™ program brings the immersive entertainment experience into the home. IMAX Enhanced content is digitally remastered to provide sharper images and more powerful sound—just as the creator intended.[9] Netflix Calibrated Mode was specially developed to enjoy Netflix original content and reproduce picture quality as brilliant as the studio evaluation monitor, faithfully reproducing the creator's intent and vision.[10] Whichever format, Sony TVs deliver picture-perfect reality, creating an immersive and engaging cinematic experience.

Incredibly thin one-slate design.

With our super-slim one-slate design, the screen meets the edge of the TV, blending harmoniously in any room environment. The flush surface with narrow aluminum bezel keeps you focused on the picture, not the television. Cable holders keep wires neatly hidden, so your television stays free of clutter and looks good from any angle.[11]

Premium metal stand, ready for soundbars.

Our flexible low profile design provides a distraction-free experience, or the stand can be adjusted to raise the TV to fit a soundbar seamlessly.

Mount your Sony TV like a work of art

Make the most of your living space. The SU-WL855 ultra slim wall-mount bracket is designed to hang select Sony BRAVIA™ OLED and LED TVs flush to the wall, just like any other work of art. Pull out your TV and swivel it left to right to adjust the screen angle for optimal viewing.[12]

Experience content as the director envisioned

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When pictures are digitally compressed from film to TV, quality is compromised and your experience is not as the director intended in the studio. A wide range of unique features lets you enjoy studio-quality entertainment in your own home, just as the director envisioned.

High performance calibration for professionals

Our TVs receive high performance calibration that has never previously been possible using CalMAN™ software. It allows adjustments to be made with finer precision than conventional picture quality settings to meet the strict requirements of creators in the post-production stage. Colors are reproduced with maximum fidelity to the original TV signal, giving exceptional picture control for a TV. CalMAN also features an easy-to-use interface that has been well received by calibration specialists.[13]

Specification

Audio Features	
Dolby Atmos	Yes
Clear Phase	Yes
Auto Surround	Yes
DTS audio format support	DTS Digital Surround
Sound modes	Standard, Dialog, Cinema, Music, Sports, Dolby Audio
S-Master	S-Master Digital Amplifier
Simulated surround sound	S-Force Front Surround
Dolby audio format support	Dolby Audio, Dolby Atmos
HDMI Audio Return Channel(ARC)	Yes (eARC/ARC)
Advanced Auto Volume	Yes
Auto Mute (on no signal)	Yes(Audio only)
HDMI input Audio format	5.1 channel linear PCM: 32/44.1/48/88.2/96/176.4/192kHz 16/20/24bits, Dolby Audio, Dolby Atmos, DTS
ARC output format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, Dolby Atmos, DTS
Audio Specs	
Channel	2.2ch
Speaker Position	Front + Down Firing
Bass/Treble/Balance	Balance

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Speaker Type	Acoustic Surface Audio
Audio Power Output	10W + 10W + 5W + 5W
Speaker Configuration	Actuator (28 x 40mm) x 2, Subwoofer (60mm) x 2
Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS

Carton Spec	
Max Qty of carton stacking (vertical)	6

Convenience Feature	
Chromecast built-in	Yes

Convenience Features	
Electronic Program Guide (EPG)	Yes
USB playback codecs	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2,AVC/MP4(XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG WEBM:VP9/AC4/ogg/AAC/ARW(Screen nail only)
Screen Reader	Yes
Audio Description	Yes
Text Magnification	Yes
Accessibility Shortcut	Yes
Switch Access	Yes
Auto Picture Mode	Yes
Text Input Language	ENG / FRA / GER / HEB / ITA / RUS / SPA / VIE / JPN
Voice Search	Yes
Application Store	Yes (Google Play Store)
HDMI-CEC	Yes
i-Manual	Yes
Parental Control	Yes

Channel Block (with password)	Yes(Analog&Digital)
Show/Hide Channels	Yes(Analog&Digital)
On Screen Clock	Yes
Sleep Timer	Yes
On/Off Timer	Yes
USB drive format support	Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)
Display Language	AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZE,DAN,DEU,GRE,ENG,SPA,EST,BAQ,PER,FIN,FRA,GLG,GUJ,HIN,HRV,HUN,IND,ISL,ITA,HEB,JPN,KAZ,KAN,KOR,KIR,LAO,LIT,LAV,MAC,MAL,MON,MAR,MAY,BUR,NOB,NEP,NLD,ORI,PAN,POL,POR,RUM,RUS,SOL,SLV,ALB,SRP,SWE SWA,TAM,TEL,THA,TGL,TUR,UKR,URD,UZB,VIE,zh_CN,zh_HK,zh_TW,ZUL
Auto Shut-off	Yes
Customizing Capability	
RS-232C Control	Yes
Design Features	
Stand Position	2way position(soundbar position)
Stand Color	Dark Silver
Bezel Design	Flush Surface
Cable Management	Yes
Frame color	Black
Stand Design	Metal Blade Stand
Display Features	
Pixel Contrast Booster	Yes
TRILUMINOS Display	Yes
Display type	OLED
Display Specs	
Screen Size for WEB(diagonal, cm, integer or 1st decimal)	139 cm

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Display resolution (H x V, pixels)	3840x2160
Screen Size (inch, measured diagonally)	55"(54.6")
Viewing Angle (Right/Left)	178(89/89) degree
Viewing Angle (Up/Down)	178(89/89) degree
Display Resolution	QFHD
Aspect Ratio	16:09

Energy Saving & Efficiency	
Dynamic Backlight Control	Yes
Power Saving Mode / Back Light Off Mode	Yes

General Features	
Auto Calibration with CalMAN	Yes
Netflix Calibrated mode	Yes
Closed Captions (Analog)	Closed Caption
Closed Captions (Digital)	Closed Caption
Demo Mode	Yes(e-POP only)
Hotel Mode Menu	Yes

Inputs and Outputs	
HDMI Signal	4096x2160p(24,60Hz), 3840x2160p(24,30,60Hz), 1080p(30,60,120Hz), 1080/24p, 1080i(60Hz), 720p(30,60Hz), 720/24p, 480p
HDCP	HDCP2.3(for HDMI1/2/3/4)
Bluetooth profile support	Version 4.2 HID/HOGP/SPP/A2DP/AVRCP
4K 60P High-Quality formats	HDMI IN1, IN2, IN3, IN4 ports for 4K(up to 18Gbps) signal
AC Power Input	Pigtail (REAR)
RF (Terrestrial/Cable) Connection Input(s)	1(Bottom)

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Composite Video Input(s)	1(Side)
HDMI inputs total	4(1Side,3Bottom)
Analog Audio Input(s) (Total)	1(Side Analog Conversion)
Digital Audio Output(s)	1(Bottom)
Headphone Output(s)	1(Side)
USB ports	2(Side)/1(Bottom)
Ethernet inputs	1(Bottom)
RS-232C Input(s)	1(Bottom)
HDMI PC Input Format	640x480(31.5kHz,60Hz), 800x600(37.9kHz,60Hz), 1024x768(48.4kHz,60Hz), 1280x1024(64.0kHz,60Hz), 1152x864(67.5kHz,75Hz), 1600x900(55.9kHz,60Hz), 1680x1050(65.3kHz,60Hz), 1920x1080(67.5kHz,60Hz), 3840x2160p(30Hz), 3840x2160p(60Hz, 8bits)

Measurements (Approx.)	
AC Cable Length	1500mm
Dimension of TV without Stand (W x H x D)	1227x712x52(5.9) mm / 48 3/8 x 28 1/8 x 2 1/8(1/4) inch
Dimension of TV with Stand (W x H x D)	1227(1227)x733(784)x326(323) mm / 48 3/8(48 3/8) x 28 7/8(30 7/8) x 12 7/8(12 3/4) inch
Dimension of Package Carton (W x H x D)	1416 x 832 x 184 mm / 55 3/4 x 32 7/8 x 7 1/4 inch
Stand Width	1004(1075) mm / 39 5/8(42 3/8) inch

Network Features	
Apple AirPlay	Yes *1 *1 Apple AirPlay and HomeKit will be available via a future firmware update.
Apple HomeKit	Yes *1 *1 Apple AirPlay and HomeKit will be available via a future firmware update.
Home Network Feature	Home Network Client, Home Network Renderer
Wi-Fi Direct	Yes
Wi-Fi Certified	Yes

Screen mirroring(Miracast™)	Yes (only for B2B purpose)
Video & TV SideView (iOS/Android)	Yes
Related Info	Yes (US / Canada / MX(STB))
Wi-Fi Standard	a/b/g/n/ac
Wi-Fi Frequency	2.4GHz/5GHz (for Wi-Fi Direct: 2.4GHz Only)
Internet Browser	Vewd (Not pre-installed)
Codec for Home Network	MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS(HDV,AVCHD):MPEG2,AVC/MP4(XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotinJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG WEBM:VP9/AC4/ogg/AAC/ARW(Screen nail only)
Wireless LAN	Integrated
Optional Accessories	
Wallmount Bracket	SU-WL855(Refer to Country/Area Handling Chart)
Power	
Power Requirements (voltage)	AC 120V for UL cUL AC 110-240V for other
Power Requirements (frequency)	60Hz for UL cUL 50/60Hz for other
Power Consumption (in Standby)	0.5W
Regulation and Standard Compliance	
VESA® Hole Spacing Compatible	Yes
VESA® Hole Pitch(W x H)	300x300 mm / 11 7/8 x 11 7/8 inch
Sensing Features	
Sensor	Light
Supplied Accessories	
Voice Remote Control	RMF-TX500U

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Batteries	LR03
AC Power Cord Spec	(Pig-tail43mm) (US) (2pin) (flat blades Polarity)
Operating Instructions	US,FR,ES
Quick Setup Guide / Supplement CUE (GA)	US,FR,ES,PT
Table Top Stand	Separate(assembly required)
TV System	
Tuner Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/CATV: 1-135
TV System (Digital Terrestrial)	ATSC
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
TV System (Digital Cable)	Clear QAM
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
Color Space	sRGB/BT709,BT2020,AdobeRGB,DCI
TV System (Analog)	M
Color System	NTSC
Operating System	Android 9.0 Pie
On-board Storage (GB)	16GB
Video Features	
Object-based Super Resolution	Yes
Precision Color Mapping	Yes
Face Area Detection	Yes
Picture modes	Vivid,Standard,Cinema,Game,Graphics,Photo,Custom,Dolby Vision Bright,Dolby Vision Dark,Netflix calibrated
Auto Wide	Yes

Wide Mode	Auto/Wide Zoom/Normal/Full/Zoom
	Normal/Full1/Full2 for PC
4:3 Default	Yes
Video Processing	4K X-Reality PRO
Motion enhancer	X-Motion Clarity, Auto mode
Blinking Type	Frame Blinking
24p True Cinema	Yes
Live Colour™ Technology	Yes
PhotoTV HD / BRAVIA for China	Yes
CineMotion/Film Mode/Cinema Drive	Yes
4K Processor	Picture Processor X1 Ultimate
HDR (High Dynamic Range) compatiblity	Yes(HDR10,HLG,Dolby Vision)
Panel Refresh Rate (Native Hertz)	120Hz
Dual database processing	Yes
Super Bit Mapping™ HDR	Yes
Object-based HDR remaster	Yes
Dynamic Contrast Enhancer	Yes
Weights (Approx.)	
Weight of TV without Stand	16.8 Kg / 37.1 lb
Weight of TV with Stand	18.6 Kg / 41 lb
Weight of Package Carton(Gross)	25 kg / 55.1lb.

1) 8K: 7,680 x 4,320 pixels. 4K: 3,840 x 2,160 pixels. Requires HDR compatible content from supported streaming services, such as Netflix, Amazon Video or HDR compatible content device connected via HDMI input. Requires HDMI® cables sold separately

2) Upscaled, simulated and enhanced 8K and 4K images will vary based on source content.

3) User must connect to a Google account to use, including voice to activate linked apps. 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 separate or third party terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information. Apps must be compatible with TV. App availability varies by region and device. Use of this TV requires consent to Google Terms of Service (http://www.google.com/policies/terms/) and Privacy Policy (http://www.google.com/policies/privacy/).

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4) Chromecast built-in compatibility dependent on app.

5) 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

6) Amazon Alexa enabled devices (sold separately) compatible with Sony TV's powered by Android TV. Amazon account required. Subscriptions may be required to access certain content. Compatible devices require internet connection.

7) This Sony TV is compatible with AirPlay 2 and HomeKit. iOS 12.2 or later or macOS 10.14.4 or later is required. Apple ID account required. Subscriptions may be required to access certain content. AirPlay firmware update is required and will be available in winter 2020.

8) Dolby Vision content is compatible with streaming services such as Netflix, Amazon Video or compatible content device connected via HDMI input. Requires HDMI® cables sold separately.

9) IMAX Enhanced content enables the full IMAX Enhanced experience.

10) Netflix streaming membership required. 4K Ultra HD availability subject to your Netflix subscription plan, internet service, device capabilities, and content availability. www.netflix.com/termsofuse

11) Actual look may differ depending on TV size and type of cables used.

12) SU-WL855 wall-mount bracket is available for select Sony OLED and LED models ranging from 55" class to 75" class. TV and wall mount system sold separately. Hardware included with wall-mount bracket.

13) Requires separately sold CalMAN calibration software to be installed on your PC, a pattern generator, a meter (colorimeter, spectrophotometer etc.), and CalMAN for BRAVIA app to be downloaded from Google Play and installed on your TV. Internet needed to utilize app services on TV. Network services, content, and software of this product may be subject to separate terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.