

## XBR85X950H

### X950H® 4K HDR LED TV

Explore a new level of contrast with the Picture Processor X1™ Ultimate. With advanced Full Array LED technology, you'll see crystal-clear 4K HDR<sup>1</sup> images in everything you watch. Bright and dark scenes feel more natural, and colors are even more true to life with the TRILUMINOS display. Android TV makes it easier to get more from your TV. Ask Google to control your TV, get recommendations of what to watch, dim the lights, and more with your voice.



### Bullets

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- Everything you watch looks like near-4K HDR with the powerful Picture Processor X1™ Ultimate<sup>1,2</sup>
- See exactly what the creator intended with the advanced color and gradation of TRILUMINOS™ Display.
- Enhanced brightness, incredible contrast with Full Array LED and X-tended Dynamic Range™ PRO 6x.
- Sony's Android TV with Google Assistant gives you a smarter, easier way to get more from your TV.<sup>4</sup>
- Stay focused on the big picture with a slim and flush design and thin aluminum bezel.<sup>12</sup>
- Experience a more natural picture with 4K X-Reality PRO & Object-Based Super Resolution.
- On-screen action and motion look better than ever with X-Motion Clarity™ technology.
- X-Wide Angle™ satisfyingly preserves color and brightness when viewing from anywhere in the room. (Available on 55" class and larger)
- Acoustic Multi-Audio™ beautifully matches picture and sound with discretely mounted tweeters.
- Picture and sound are automatically adjusted to your environment with Sony's unique Ambient Optimization™ technology.
- Works with AirPlay 2 to easily stream content from your Apple device.<sup>8</sup>
- Compatible with Google Nest Devices<sup>6</sup>, Amazon Alexa<sup>7</sup>, and Apple HomeKit<sup>8</sup> for an even smarter home.
- Dazzling detail and color with HDR<sup>1</sup>, Dolby Visions™<sup>9</sup>, IMAX Enhanced™<sup>10</sup> and Netflix Calibrated Mode.<sup>11</sup>
- Premium dual position metal stand that can be adapted for wide or narrow stand. (Available for 55" class, 65" class, 75" class)
- Hang your TV like a work of art with the ultra-slim wall-mount bracket for select Sony BRAVIA™ OLED and LED TVs.<sup>13</sup>
- Calman™ auto calibration mode makes high-performance screen calibration easier than ever.<sup>14</sup>

### Features

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#### Reproduces a wider, more precise range of colors

By widening the color spectrum, TRILUMINOS powered by our X1 processors 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.

#### Beautiful colors from all sides



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Watching TV from the sides is now as satisfying as from the center. Sony's original optical design to control light from the backlight, the X-Wide Angle panel ensures colors stay true from wherever you're watching. This feature is available on TVs of 55" class (54.6" diag) and larger.

### **Making fast-moving scenes bright and clear**

On some screens, sports and fast action scenes can seem to go by in a blur. Our latest X-Motion Clarity™ technology keeps everything smooth, bright and clear. Each 'blink' is individually controlled and its duration optimized, while brightness is boosted when needed, so you won't miss a thing.

### **Supreme resolution, whatever you're watching**

Any kind of content can be upconverted to lifelike 4K resolution with Sony's unique features. Our X1™ Ultimate, twice as fast as the X1™ Extreme, precisely analyzes and processes data to enrich 4K pictures with real-world detail and texture. Even images filmed in 2K and Full HD are upscaled close to 4K by 4K X-Reality™ PRO using a unique 4K database. Resolution of each subject is then optimized by Object-based Super Resolution to reproduce virtually real-world textures.

### **Enjoy the precision of lifelike contrast**

Discover how real pictures can be when you bring out the fine details. With zones of LEDs lit independently, Full Array LED provides more realistic contrast by making light areas lighter and dark areas darker. Contrast is further enhanced by X-tended Dynamic Range™ PRO, which adjusts brightness for higher peaks in glare and deeper blacks in shadow.

### **Super Bit Mapping HDR**

There are thousands of tones, shades and gradations of light in a sunset. Super Bit Mapping HDR reveals them. It creates smooth, natural 4K TV picture quality as you watch, without the "banding" that can occur on other TVs.

### **Object-based HDR remaster**

With Object-based HDR remaster, the color in individual objects on screen is analyzed and the contrast adjusted, unlike most TVs where contrast is only adjusted along one black-to-white contrast curve. Because objects are remastered individually, this TV can reproduce greater depth, textures, and more realistic pictures.

### **Dual database processing**

One database is used to clean the picture, reducing on-screen noise. The other is used to upscale the resolution, improving clarity. These two powerful image improvement databases work together, dynamically improving pixels in real time. Each database has tens of thousands of references, amassed from our experience creating content for TV and movies over the years.

### **Beautifully matched pictures and sound**

Sound on conventional TVs with a speaker located below the screen is often out of sync with the picture. Our Acoustic Multi-Audio™ includes two sound-positioning tweeters at the back of the TV that enable sound to follow the action for a truly immersive experience. Independent amps are



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controlled separately to precisely manage sound positioning of these speakers in high-tone areas, enhancing sound pressure and stability for more realism. This feature is available on TVs larger than 55" (diag.). Independent amp control is available on TVs with a screen size between 55" (diag.) and 75" (diag.).

### **Enjoy multidimensional sound with S-Force Front Surround**

Hear sound as you would from a separate multi surround speaker. By upconverting inputs, S-Force Front Surround virtually reproduces a multi-surround speaker system within your TV so you can enjoy all the thrills of more immersive sound.

### **Clearly hear voices**

With Voice Zoom, you can hear human speech clearly without having to turn up the volume—ideal for news bulletins and documentaries.

### **Hear high-quality sound**

Designed to complement the sound quality and slimness of the TV with its unique new shape, our X-Balanced Speaker drives movies and music with clear sound. This feature is available on TVs with a screen size between 55" class (54.6" diag) and 75" class (74.5" diag).

### **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.

### **One slate design**

Our slim and simple one-slate design keeps you focused on the screen while blending harmoniously in any room environment.

### **Aluminum flush surface**

Keeps you focused on the picture, not the television.

### **Discreet stand, dual position**

Our noise less stand sits discreetly on a shelf and won't compromise your viewing experience. With wide and narrow settings, you can use it on large or small shelves. This feature is only available on models between 55" & 75" (diag.) screen sizes.

### **Cable clutter minimized**

Cable holders keep wires neatly hidden so your television stays free of clutter and looks good from the front, the sides, and the back.

### **Say what you want to watch, no remote required**

With Google Assistant built in and advanced voice control, Sony's Android TV makes life smart and simple. Find new entertainment, check schedules and control your home, just by talking to the screen. This feature is available on TVs of 55" class (54.6" diag) and larger.

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### **Over 5,000 apps, more than any other smart TV**

Sony's Android Smart TV has an unbeatable number of apps. Choose the ones that make your life more fun and entertaining.

### **No more waiting**

Apps start fast and there's no more waiting when you switch between apps—Netflix starts 3x faster than before.

### **Our Android TVs are recommended by Netflix**

Netflix have created an easy way for you to identify TVs with better performance, easier app access and new features that make for a better smart TV. Netflix-recommended TVs help you enjoy popular shows and movies with a dedicated button and voice control.

### **Connect with your Alexa**

Connect your Alexa-enabled devices for seamless hands-free control of a Sony TV. With Alexa, you can power up your TV, change channels, control volume, and more.

### **Works with Google Home**

Connect Google Home for seamless hands-free control of a Sony TV. With Google Home, you can find and cast your favorite videos to your Sony TV, without lifting a finger.

### **Works with Apple AirPlay / Apple HomeKit**

With Apple AirPlay, you can stream video and audio to your television right from your iPhone, iPad, or Mac. Watch movies and shows from Apple TV app, your favorite apps, or even Safari. Share your photos with everyone in the room.

### **Send to a bigger, better screen with Chromecast**

Chromecast lets you cast your favorite videos, games, and apps from your mobile device, in full quality, to your TV. Just one tap of the Cast button on your Android or iOS screen is all you need to supersize the things you love. Cast your content then continue browsing on your phone or tablet.

### **Easy control with smart remote**

Connect set top boxes and other devices via HDMI to your TV and control them all using one smart commander. A slimmer, more rounded design with built-in voice control microphone and enhanced button layout makes it really easy to use, too.

### **Google Play™: a world of content and apps**

Discover movies and TV shows, games and much more from Google Play™. Enjoy a huge and ever-growing choice of apps on your TV in a brand new way.

### **Clear Phase for smooth, balanced frequencies**

BRAVIA® uses a powerful computer model to analyze and compensate for inaccuracies in

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speaker response. It does this by "sampling" the speaker frequency with higher precision. This information is fed back to cancel out any peaks or dips in the speaker's natural response — resulting in pure, natural audio with smooth, even reproduction of all frequencies.

### **Bluetooth connectivity**

Connect BLUETOOTH® compatible devices to your TV for easy wireless entertainment. Pair your Bluetooth headphones or earphones with BRAVIA and enjoy TV shows and music in your favorite place—without any disturbances or interruptions.

### **Enjoy studio quality with Netflix Calibrated Mode**

This mode was specially developed to enjoy Netflix originals and reproduce the same picture quality on a TV as on a studio evaluation master. With Netflix Calibrated Mode, the creator's vision and intent is faithfully preserved.

### **IMAX Enhanced**

This Sony 4K Smart TV is an IMAX Enhanced product, ready to meet high-quality color, contrast, clarity, and sound. Take comfort in knowing you'll be enjoying a fully immersive at-home entertainment experience on this TV that takes full advantage of IMAX Enhanced content.

### **Embrace the thrills of the theater**

Enjoy cinematic thrills at home. Dolby Vision™ brings scenes vividly to life for authentic viewing, while Dolby Atmos™ fills the room with immersive surround sound.

### **Preserving the passion of the creators**

To address color variations from the production process, this TV is ready to use Portrait Displays' high-performance Calman auto-calibration software. This allows an unprecedented level of calibration and the ability to fine-tune adjustments simply not possible through conventional picture settings. It delivers high-fidelity color reproduction that's true to the original TV signal, and can even adapt to the subtlest changes in color that may occur over time. This TV is Calman Ready, allowing customers to benefit from software used by visual creators in post-production quality-control workflows, further demonstrating our commitment to deliver pictures with professional-grade-color-calibrated accuracy in the home.

### **Watch what you love, control it with your voice**

You can ask your TV with the Google Assistant to connect and communicate with your smart devices including security cameras and appliances—no remote required. It's truly effortless and offers the ultimate hands-free experience.

## **Specification**

### **Accessibility**

Accessibility Shortcut	Yes
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Audio Description (Audio key)	Yes
Closed Caption	Closed Caption
Screen Reader	Yes
Text Magnification	Yes
Voice Search	Yes
<b>Built-in Tuner</b>	
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC
Tuner Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/CATV: 1-135
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
<b>Connectivity</b>	
APPLE AIRPLAY	Yes
APPLE HOMEKIT	Yes
Bluetooth profile support	Version 4.2; HID (mouse/keyboard connectivity)/HOGP (Low Energy device connectivity)/SPP (Serial Port Profile)/A2DP (stereo audio)/AVRCP (AV remote control)
CHROMECAST BUILT-IN	Yes
Component Video (Y/Pb/Pr) Input(s)	No
Composite Video Input(s)	1 (Side)
Digital Audio Output(s)	1 (bottom)
Ethernet inputs	1 (bottom)
Features specified in HDMI2.1	eARC



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HDCP	HDCP 2.3 (for HDMI™ 1/2/3/4)
HDMI Audio Return Channel (ARC)	Yes (eARC/ARC)
HDMI inputs total	4 (1 Side, 3 Bottom)
HDMI-CEC	Yes
Headphone Output(s)	1 (Side)
IF (satellite) input(s)	No
RF (Terrestrial/Cable) Connection Input(s)	1 (bottom)
RS-232C Input(s)	1 (Side)
USB HDD Recording	No
USB drive format support	FAT16/FAT32/exFAT/NTFS
USB playback codecs	MPEG1: MPEG1/MPEG2PS: MPEG2/MPEG2TS (HDV, AVCHD): MPEG2, AVC/MP4 (XAVC S): AVC, MPEG4, HEVC/AVI: Xvid, MotionJpeg/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)
USB ports	2 (side), 1 (bottom)
Wi-Fi Standard	Wi-Fi Certified 802.11a/b/g/n/ac
<b>Convenience Features</b>	
Features specified in HDMI2.1	eARC
<b>Design</b>	
BEZEL COLOR	Black
BEZEL DESIGN	Aluminum Bezel
REMOTE CONTROL	Standard Remote
STAND COLOR	Dark Silver
Stand design	Metal Blade Stand
<b>Dimensions and Weight</b>	
Dimension of Package Carton (W x H x D)	Approx. 79 7/8" x 48 1/2" x 11 1/4" inch (2026 x 1231 x 284 mm)

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Dimension of TV with Stand (W x H x D)	Approx. 75 1/4" x 46 1/2" x 16 1/4" inch (1910 x 1179 x 412 mm)
Dimension of TV without Stand (W x H x D)	Approx. 75 1/4" x 43 3/8" x 3" (1910 x 1099 x 74 mm)
SCREEN SIZE (CM, MEASURED DIAGONALLY)	215 cm
Screen Size (inch, measured diagonally)	85" (84.6")
Stand Width	Approx. 69 5/8" (1766 mm)
VESA® Hole Pitch(W x H)	15 3/4" x 15 3/4" (400 x 400 mm)
Weight of Package Carton (Gross)	Approx. 141 lb (64 kg)
Weight of TV with Stand	Approx. 108 lb (49 kg)
Weight of TV without Stand	Approx. 101.4 lb (46 kg)
<b>Model year</b>	
Model year	2020
<b>Picture (Panel)</b>	
Backlight dimming type	Local Dimming
Backlight type	Direct (Full Array LED)
Display resolution (H x V, pixels)	3840 x 2160
Display type	LCD
Viewing Angle (X-Wide Angle)	Yes
<b>Picture (processing)</b>	
Clarity enhancement	4K X-Reality™ PRO Dual database processing Object-based Super Resolution
Color enhancement	TRILUMINOS™ Display Super bit mapping™ HDR Live Color™ Technology Precision Color Mapping
Contrast enhancement	X-tended Dynamic Range™ PRO Object-based HDR remaster Dynamic Contrast Enhancer

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HDR (High Dynamic Range) compatibility	Yes (HDR10, HLG, Dolby Vision)
Motion enhancer (Native Hz)	X-Motion Clarity, Auto mode
NETFLIX CALIBRATED MODE	Yes
Picture modes	Vivid, Standard, Cinema, Game, Graphics, Photo, Custom, Dolby Vision Bright, Dolby Vision Dark, Netflix calibrated
Picture processor	Picture Processor X1™ Ultimate
SENSOR	Light
Video signal support	HDMI™ signal: 4096 x 2160p (24, 60 Hz), 3840 x 2160p (24, 30, 60 Hz), 1080p (30, 60, 120 Hz), 1080/24p, 1080i (60 Hz), 720p (30, 60 Hz), 720/24p, 480p
<b>Power and Energy saving</b>	
Annual Energy Consumption*	476 kWh/Year
Dynamic Backlight Control	Yes
Mercury content (mg)	0.0 oz
Power Consumption (in Standby)	0.5 W
Power Requirements (voltage/frequency)	60 Hz for UL cUL 50/60 Hz for other AC 120 V for UL cUL AC 110-240 V for other
Power Saving Mode/Back Light Off Mode	Yes
SCREEN SIZE (CM, MEASURED DIAGONALLY)	215 cm
Screen Size (inch, measured diagonally)	85" (84.6")
<b>Software</b>	
Application Store	Yes (Google Play Store)
Auto Calibration with CalMAN®	Yes
Closed Captions (Analog/Digital)	(Analog) Closed Caption (Digital) Closed Caption



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Display Language	AFRIKAANS, AMH, ARABIC, ASSAMESE, AZE, BEL, BULGARIAN, BENGALI, BOSNIAN, CATALAN, CZECH, DANISH, DEU, GREEK, ENGLISH, SPANISH, ESTONIAN, BAQ, PER, FINNISH, FRENCH, GLG, GUJARATI, HINDI, CROATIAN, HUNGARIAN, INDONESIAN, ISL, ITALIAN, HEBREW, JAPANESE, KAZAKH, KANNADA, KOR, KIR, LAO, LITHUANIAN, LATVIAN, MACEDONIAN, MALAYALAM, MON, MARATHI, MAY, BUR, NOB, NEP, NLD, ORIYA, PANJABI, POLISH, PORTUGUESE, ROMANIAN, RUSSIAN, SOL, SLOVENIAN, ALB, SERBIAN, SWEDISH, SWAHILI, TAMIL, TELUGU, THAI, TGL, TURKISH, UKRAINIAN, URD, UZB, VIETNAMESE, SIMPLIFIED CHINESE, TRADITIONAL CHINESE , ZULU
Electronic Program Guide (EPG)	Yes
On-board Storage (GB)	16 GB
On/Off Timer	Yes
Operating System	Android™
Sleep Timer	Yes
Teletext	No
Text Input Language	ENGLISH / FRENCH / GERMAN / HEBREW / ITALIAN / RUSSIAN / SPANISH / VIETNAMESE / JAPANESE
Voice Search	(Voice Search) Yes/(Built-in Mic) Yes
<b>Sound (Processing)</b>	
ACOUSTIC AUTO CALIBRATION	Yes
DTS audio format support	DTS Digital Surround
Dolby audio format support	Dolby™ Audio, Dolby™ Atmos
FM Radio	No
Simulated surround sound	S-Force Front Surround
Sound modes	Standard, Dialog, Theater, Music, Sports, Dolby Audio
Sound processing	No
VOICE ZOOM	Voice Zoom
<b>Sound (Speakers and Amplifier)</b>	
Audio Power Output	10 W + 10 W



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Speaker Configuration	Full Range (Bass Reflex) x 2, Tweeter x 2
Speaker Type	Acoustic Multi-Audio; Sound-Positioning Tweeter

1. 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. This is the perceptible contrast level expanded by X-tended Dynamic Range PRO technology, which is a unique figure calculated for the contrast that users actually feel and experience (XDR Contrast). This figure is based on our conventional TV without local dimming.
4. 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/>).
5. Chromecast built-in compatibility dependent on app.
6. Google Nest devices (sold separately) are 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 Apple App Store or Google Play. Once download is complete, user must link compatible Nest Speaker devices to the Sony device in order to access the voice control function and to control TV operation. Subject to third party app terms and conditions.
7. 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.
8. 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.
9. 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.
10. IMAX Enhanced content enables the full IMAX Enhanced experience.
11. Netflix streaming membership required. 4K Ultra HD availability subject to your Netflix subscription plan, internet service, device capabilities, and content availability. [www.netflix.com/terms](http://www.netflix.com/terms)
12. Actual look may differ depending on TV size and type of cables used.
13. 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.
14. 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.

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