SONY

XBR65X900H

X900H® 4K HDR LED TV

All of your favorite content, displayed in rich and life-like 4K HDR.[1] The X900H is engineered with picture quality in mind, complimented by Full Array LED, TRILUMINOS Display, and X-Tended Dynamic Range technologies contributing to an experience that accurately portrays everything you watch and play.

Bullets

- Upscale everything with the 4K HDR Processor X1 and 4K X-Reality PRO.[2]
- 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™.
- On-screen action and motion look better than ever with X-Motion Clarity™ technology.
- Acoustic Multi-Audio beautifully matches picture and sound with discretely mounted tweeters. (Available on 65" class and larger)

- Compatible with Google Home[5], Amazon Alexa[6], and Apple HomeKit[7] for an even smarter home.
- Beautiful design immerses you in the picture with a slim, aluminum frame and minimalist stand.[10]
- Hang your TV like a work of art with the ultra-slim wall-mount bracket for select Sony BRAVIA™ OLED and LED TVs.[11]
- CalMAN™ auto calibration mode makes high-performance screen calibration easier than ever.[12]

Features

Power to upscale to a more natural picture.

See glorious 4K pictures, rich with real-world detail and texture, powered by our 4K HDR Processor X1. Even images filmed in Full HD are upscaled close to 4K resolution by 4K X-Reality™ PRO using a unique 4K database.[1,2]

TRILUMINOS Display, bringing you all the world's colors

By widening the color spectrum, TRILUMINOS Display, powered by the 4K HDR Processor X1, 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.

Enjoy the precision of true-to-life contrast

Discover how real pictures can be when you bring out the fine details. By controlling light levels in sections of the screen 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™, which adjusts brightness for higher peaks in highlights and detailed blacks in shadow.

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]

Bright and clear motion

Scenes appear as they do in real life with X-Motion Clarity™ technology. This revolutionary, best in class technology from Sony refines action on the screen in real time with an incredible refresh rate for action that is brighter and clearer than ever before.

Beautifully matched picture 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. (Available on 65" class and larger)

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 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] 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.[9] Whichever format, Sony TVs deliver picture-perfect reality, creating an immersive and engaging cinematic experience.

Minimal design immerses you in the picture

See how our beautiful design immerses you in the action and keeps you focused on the picture, not the television. The slim, aluminum frame gives the TV a luxurious look and feel for a truly cinematic viewing experience. The thin metal stand takes a minimalist approach and blends

beautifully in contemporary rooms.[10]

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.[11]

Experience content as the director envisioned

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.[12]

Specification

Audio Features	
Dolby Atmos	Yes
Speaker Type-2	Sound Positioning Tweeter, X-Balanced Speaker
Clear Phase	Yes
Auto Surround	Yes
DTS audio format support	DTS Digital Surround
S-Master	S-Master Digital Amplifier
Dolby audio format support	Dolby Audio, Dolby Atmos
HDMI Audio Return Channel(ARC)	Yes (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

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Audio Specs

Channel	2ch
Speaker Position	Side Back + Down Firing
Bass/Treble/Balance	Balance
Speaker Type	Acoustic Multi-Audio
Audio Power Output	10W + 10W
Speaker Configuration	Full Range (Bass Reflex) (40 x 90mm) x 2, Tweeter x 2
Digital audio out (Optical) format	Two channel linear PCM: 48kHz 16bits, Dolby Audio, DTS

Carton Spec

Max Qty of carton stacking (vertical)	4

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
Chromecast built-in	Yes
Voice Search	Yes
Application Store	Yes (Google Play Store)

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HDMI-CEC	Yes
i-Manual	Yes
Parental Control	Yes
Channel Block (with password)	Yes(Analog&Digital)
Show/Hide Channels	Yes(Digital&Analog)
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 Color	Dark Silver
Bezel Design	Aluminum Bezel
Cable Management	Yes
Frame color	Black
Stand Design	Metal Blade Stand

Display Features

Backlight dimming type	Local Dimming
Display type	LCD
X-tended Dynamic Range PRO/ X-tended Dynamic Range	X-tended Dynamic Range

Display Specs	
Screen Size for WEB(diagonal, cm, integer or 1st decimal)	164 cm
Backlight type	Direct(Full Array LED)
Display resolution (H x V, pixels)	3840x2160
Screen Size (inch, measured diagonally)	65"(64.5")
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

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4K 60P High-Quality formats	HDMI IN1, IN2, IN3, IN4 ports for 4K(up to 18Gbps) signal
AC Power Input	C8 INLET(REAR)
RF (Terrestrial/Cable) Connection Input(s)	1(Side)
Composite Video Input(s)	1(Side)
HDMI inputs total	4(4Side)
Analog Audio Input(s) (Total)	1(Side Analog Conversion)
Digital Audio Output(s)	1(Side)
Headphone Output(s)	1(Side)
USB ports	2(Side)
Ethernet inputs	1(Side)
RS-232C Input(s)	1(Side)
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	1600mm
Dimension of TV without Stand (W x H x D)	1450x833x70 mm / 57 1/8 x 32 7/8 x 2 7/8inch
Dimension of TV with Stand (W x H x D)	1450x903x338 mm / 57 1/8 x 35 5/8 x 13 3/8 inch
Dimension of Package Carton (W x H x D)	1629 x 958 x 184 mm / 64 1/4 x 37 3/4 x 7 1/4 inch
Stand Width	1128 mm / 44 1/2 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
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

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
Rated Power Consumption	214W
Annual Power Consumption	210kWh/Year

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
Batteries	LR03
AC Power Cord Spec	(C7L) (US) (2pin) (flat blades)
Operating Instructions	US,FR
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	
Precision Color Mapping	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	Line Blinking
24p True Cinema	Yes
Live Colour™ Technology	Yes
PhotoTV HD / BRAVIA for China	Yes
CineMotion/Film Mode/Cinema Drive	Yes
4K Processor	X1 4K HDR Processor
HDR (High Dynamic Range) compatiblity	Yes(HDR10,HLG,Dolby Vision)
Panel Refresh Rate (Native Hertz)	120Hz
Object-based HDR remaster	Yes
Dynamic Contrast Enhancer	Yes
Weights (Approx.)	
Weight of TV without Stand	22.2 Kg / 48.9 lb
Weight of TV with Stand	23.2 Kg / 51.2 lb
Weight of Package Carton(Gross)	31 kg / 68.3lb.

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

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region and device. Use of this TV requires consent to Google Terms of Service (google.com/policies/terms/) andPrivacy Policy (google.com/policies/privacy/).

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

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

11) 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.

12) 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.