

# SONY

## XBR-65X950G

### 65" class (64.5" diag.) BRAVIA 4K HDR ULTRA HD TV

Unlock the world of ultimate colors and contrast with the X950G 4K HDR TV from Sony. Incredibly clear 4K HDR picture quality is powered by the Picture Processor X1 Ultimate, and content has never been brighter than with Full Array Local Dimming & Boosting. X-Motion Clarity technology makes action scenes look like real life.



#### Bullets

- Full Array Local Dimming & Boosting for more exact dynamic contrast
- Everything is upscaled to get close to 4K HDR with the Picture Processor X1™ Ultimate and 4K X-Reality PRO<sup>1,2</sup>
- X-tended Dynamic Range™ PRO 6x contrast range provides a wider range of brightness<sup>3</sup>
- 4K HDR<sup>1</sup> - HDR10, HLG, IMAX Enhanced<sup>4</sup> and Dolby Vision™<sup>5</sup> support for incredible detail and clarity
- X-Wide Angle technology makes picture and color look great from anywhere in the room (75" and 85" class only)
- On-screen action and motion look better than ever with X-Motion Clarity™ technology and native 120Hz refresh rate.
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display & 4K HDR Super Bit Mapping
- Acoustic Multi-Audio produces an immersive Sound-from-Picture Reality™ experience
- Android™ TV with the Google Assistant built in gives you a genius TV with hands-free voice search<sup>6</sup>
- Enjoy studio-quality Netflix content with Netflix Calibrated Mode<sup>10</sup>
- Compatible with Google Home<sup>9</sup> Amazon Alexa<sup>10</sup>, and Apple® HomeKit™<sup>11</sup> for an even smarter home

#### Features

##### Enhanced brightness, incredible contrast with Full Array Local Dimming & Boosting

Sony's Full-Array Local Dimming and Boosting technology dynamically changes the light levels in sections of the screen depending on the content, resulting in a dramatic increase in contrast and brightness. Add in X-tended Dynamic Range™ PRO 6x which gives the screen 6 times the contrast range of a conventional LED-edge lit TV<sup>3</sup>. By accurately balancing the light output across the screen, darker scenes get darker and brighter scenes get brighter.

##### Intelligent processing, ultimate realism.

Simply put, our proprietary 4K HDR Picture Processor X1™ Ultimate is our best processor, ever. Object-based rendering happens in real time at lightning speed to remaster and upscale everything you see to near-4K HDR quality.<sup>1,2</sup> Everything on the screen is identified, analyzed and optimized individually to adjust the overall contrast, sharpness and color for a picture that looks nearly identical to the real thing.

##### Experience a more natural picture with 4K X-Reality PRO & Object-Based Super Resolution

Every object, accurately displayed. With Object-Based Super Resolution in combination with 4K X-Reality PRO™, you'll see lifelike detail, textures, and clarity in everything you watch. Leveraging intelligent dual database processing, pictures look cleaner with less on-screen noise. Every single pixel is enhanced beautifully by Sony's best 4K HDR Picture Processor X1™ Ultimate.<sup>1,2</sup>

##### See the big picture with 4K HDR, IMAX Enhanced and Dolby Vision

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High Dynamic Range (HDR) picture is the way TV was always meant to be watched. 4K Ultra HD 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 than other video formats.<sup>1</sup> IMAX Enhanced™<sup>4</sup> makes movies feel larger than life. Dolby Vision™<sup>5</sup> brings scenes to life with striking highlights, deeper darks and vibrant colors. Whichever format you choose, Sony TVs deliver picture-perfect reality, creating an immersive and engaging cinematic experience.

## Every seat is the best seat in the house

X-Wide Angle technology gives the X950G vivid real-world colors from any angle while retaining more color and brightness than other LED TVs. Enjoy a great picture with incredible color from anywhere in the room. (75" and 85" class only)

## On-screen action and motion look better than ever with X-Motion Clarity™ technology

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.

## TRILUMINOS™ Display & 4K HDR Super Bit Mapping deliver smooth and vibrant colors

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.

## An immersive audio experience

Acoustic Multi-Audio adds two sound-positioning tweeters in the rear of the TV in addition to the bass reflex speakers to produce Sound-from-Picture Reality™. With action and sound precisely aligned, your viewing becomes so much more immersive.

## A genius TV, a smarter home

With Android TV and the Google Assistant built-in, simply ask and you shall receive. With hands-free voice search, just start with "Hey Google" to ask it questions, control smart home devices like Nest™, or access many of the apps and services you already use every day.<sup>6</sup> In addition, cast your favorite apps with Chromecast built-in<sup>7</sup>, or enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Prime Video, Hulu, Spotify and more.<sup>6</sup>

## Well-connected to your smart home

With Google Home<sup>9</sup> and Amazon Alexa<sup>10</sup> 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 compatibility seamlessly integrates your iPhone, iPad and Mac with your Sony TV for effortless smart home management and content streaming.<sup>11</sup>

## Enjoy studio quality Netflix content with Netflix Calibrated Mode

This mode was specially developed to enjoy Netflix originals and reproduce picture quality on a TV that is as brilliant as a studio evaluation master. With Netflix Calibrated Mode, the creator's vision and intent is faithfully preserved.<sup>10</sup>

## Specifications

Audio		ARC Output Format	Two channel linear PCM: 48 kHz 16 bits, Dolby Digital, Dolby Digital Plus, DTS	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
Audio Power Output	10W +10W	Auto Surround	Yes	Simulated Surround Sound	S-Force Front Surround
Bass/Treble/Balance	Balance	Clear Phase	Yes	S-Master	S-Master Digital Amplifier
Speaker Configuration	2ch/Full Range (Bass Reflex)(25x90mm)x2, Tweeterx2	Digital audio out (Optical) format	Two channel linear PCM: 48 kHz 16 bits, Dolby Digital, DTS	Sound Modes	Standard, Dialog, Cinema, Music ,Sports, Dolby Audio
Speaker Position	Side Back + Down Firing	Dolby audio format support	Dolby Audio (Dolby Digital, Dolby Digital Plus, Dolby AC-4)	Convenience Features	
Speaker Type	Acoustic Multi-Audio	DTS audio format support	DTS Digital Surround	Application Store	Yes (Google Play Store)
Audio Features		HDMI Audio Return Channel(ARC)	Yes (eARC)	Auto Picture Mode	Yes
Advanced Auto Volume	Yes			Auto Shut-off	Yes
Alternate Audio (Digital)	Yes			Channel Block (with password)	Analog & Digital

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Chromecast built-in	Yes
HDMI-CEC	Yes
i-Manual	Yes
On/Off Timer	Yes
On-Screen Clock	Yes
Parental Control	Yes
Show/Hide Channels	Yes (Digital & Analog)
Sleep Timer	Yes
Text Input Language	ENG / FRA / GER / HEB / ITA / POR / RUS / SPA / VIE / 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 /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) /WAV/ MP4AAC / FLAC /JPEG WEBM:VP9/ AC4/ogg/AAC/ ARW(Screen nail only)
Voice Search	Yes* *Hands Free feature(Built-in Mic) availability depends on language and may need software update. Please check Sony support page for further information; <a href="https://www.sony.net/tv-hf-ww/">https://www.sony.net/tv-hf-ww/</a>
<b>Customizing Capability</b>	
RS-232C Control	Yes
<b>Design Features</b>	
Cable Management	Yes
Frame color	Black
Illumination LED	Yes
Stand Design	Dark Silver
<b>Display Features</b>	
Backlight dimming type	Local Dimming
Backlight Type	Direct LED
Display type	LCD
TRILUMINOS Display	Yes
X-tended Dynamic Range PRO/ X-tended Dynamic Range	X-tended Dynamic Range PRO
<b>Display</b>	
Aspect Ratio	16:9
Display Resolution	QFHD

Display resolution (H x V, pixels)	3840x2160
Screen Size (cm, measured diagonally)	163.9 cm
Screen Size (inch, measured diagonally)	65" (64.5")
Viewing Angle (Right/Left)	178(89/89) degree
Viewing Angle (Up/Down)	178(89/89) degree
<b>Energy Saving &amp; Efficiency</b>	
Dynamic Backlight Control	Yes
Power Saving Modes	Yes
<b>General Features</b>	
Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Hotel Mode Menu	Yes
<b>Inputs and Outputs</b>	
4K 60P High-Quality formats	HDMI IN1, IN2, IN3, IN4 ports for 4K(up to 6Gbps) signal
AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	1 (1Side Analog Conversion)
Bluetooth profile support	Version 4.2 HID/HOGP/SPP/A2DP/AVRCP
Composite Video Input(s)	1 (Side)
Digital Audio Output(s)	1 (Bottom)
Ethernet Connection(s)	1(Bottom)
HDCP	HDCP2.3(for HDMI1/2/3/4)
HDMI inputs total	4 (1Side,3Bottom)
HDMI Signal	4096x2160p (24,60Hz), 3840x2160p (24,30,60Hz), 1080p (30,60,120Hz), 1080i/24p, 1080i (60Hz), 720p (30,60Hz), 720i/24p, 480p
HDMI™ PC Input	640 x 480 (31.5kHz,60Hz), 800 x 600 (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)
Headphone Output(s)	1 (Side)
RF Connection Input(s)	1 (Bottom)
RS-232C Input(s)	1(Side)
USB Port(s)	2 (Side) / 1 (Bottom)
<b>Network Features</b>	

Codec for Home Network	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
Home Network Feature	Home Network Client, Home Network Renderer
Internet Browser	Vewd (Not pre-installed)
Other Network Features	Related Info: Yes (US / Canada / MX(STB))
Screen mirroring(Miracast™)	Yes (only for B2B purpose)
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
<b>Power</b>	
Annual Power Consumption	321 kWh/Year
Power Consumption (in Standby)	0.5W
Power Requirements (frequency)	60Hz for UL cUL 50/60Hz for other
Power Requirements (voltage)	AC 120V for UL cUL AC 110-240V for other
<b>Regulation and Standards Compliance</b>	
VESA® Hole Pitch	11 7/8 x 11 7/8 inch (300x300 mm)
VESA® Hole Spacing Compatible	Yes
<b>TV System</b>	
Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/ CATV: 1-135
Color Space	sRGB/
Color System	NTSC
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)
On-board Storage (GB)	16GB
OS	Android 8.0 Oreo
Tuner Channel Coverage (Digital Cable)	CATV: 1-135
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM

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TV System (Digital Terrestrial)	ATSC
<b>Video Features</b>	
CineMotion/Film Mode/Cinema Drive	Yes
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	Picture Processor X1 Ultimate
Auto Wide	Yes
Blinking Type	Line Blinking
Dual database processing	Yes
Dynamic Contrast Enhancer	Yes
Face Area Detection	Yes
HDR (High Dynamic Range) compatibility	Yes(HDR10, HLG, Dolby Vision)
Live Color™ Technology	Yes
Object-based HDR remaster	Yes
Panel Refresh Rate (Native Hertz)	120Hz
Picture Modes	Vivid, Standard, Cinema, Game, Graphics, Photo, Custom, Dolby Vision Bright, Dolby Vision Dark, Netflix calibrated
Precision Color Mapping	Yes
Super Bit Mapping™ 4K HDR	Yes
Video Processing	4K X-Reality PRO
Wide Mode	Wide Zoom / Normal / Full / Zoom Normal / Full1 / Full2 for PC
<b>Weights and Measurements</b>	
Dimensions (Approx.)	TV only: 57 x 32 7/8 x 2 3/4 inch (1447x832x69 mm) TV with stand: 57 x 35 5/8 x 13 1/8 inch (1447x902x333 mm) Stand Width: 47 3/4 inch (1211 mm) AC Cable Length: 1500mm
Packaging (Approx.)	Carton: 61 1/4 x 37 5/8 x 7 5/8 inch (1553 x 955 x 191 mm)

Weight (Approx.)	TV only: 51.8 lb (23.5 kg) TV with stand: 54.9 lb (24.9 kg) Package carton: 70.5lb. (32 kg)
<b>Accessories</b>	
Supplied Accessories	Voice Remote Control (RMF-TX600U) Batteries (LR03) AC Power Cord Spec ((Pig-tail43mm, (US) (2pin) (flat blades Polarity)) Operating Instructions (US,FR) Quick Setup Guide / Supplement CUE (GA) (US,FR,ES,PT) Table Top Stand (Separate (assembly required))

1. 3,840 x 2,160 pixels. Requires HDR compatible content from supported streaming services, such as Netflix and Amazon Video or HDR compatible content device connected via HDMI input. Requires HDMI® cables sold separately

2. Upscaled, simulated and enhanced 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. IMAX Enhanced content enables the full IMAX Enhanced experience.

5. Dolby Vision™ is available via network update. Dolby Vision content will be compatible with Dolby Vision devices and streaming services such as Prime Video, Apple TV 4K, and Netflix.



6. 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. 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. Use of this TV requires consent to Google Terms of Service and Privacy Policy. Please visit <http://www.google.com/policies/terms/>, <http://www.google.com/policies/privacy/>.

7. Chromecast built-in compatibility dependent on app.

8. 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

9. 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.

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](http://www.netflix.com/termsofuse)

11. AirPlay2 and HomeKit compatibility will be available in 2019. This Sony TV is compatible with AirPlay 2 and HomeKit. iOS 12.2 or later or macOS 10.14.4 or later is required.

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