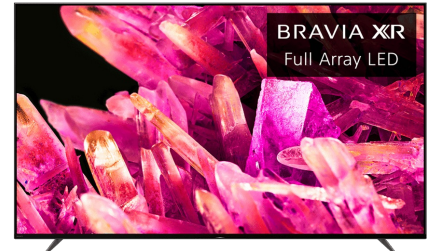


## XR65X90K

### BRAVIA XR X90K 4K HDR Full Array LED TV w/Smart Google TV

Make movies and games come to life with the immersive detail and contrast of Full Array LED, powered by the intelligent Cognitive Processor XR. See billions of accurate colors, each reproduced with the subtle differences of the real world with XR Triluminos Pro. And XR Contrast Booster 10 further enhances the dynamic range of the picture bringing out the beauty in everything you watch.



## Bullets

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- Intelligent TV processing technology with Cognitive Processor XR that delivers natural and realistic picture quality.
- Deep black, high peak brightness, and real-life detail with Full Array LED and XR Contrast Booster 10.
- Billions of accurate colors deliver natural and beautiful picture quality, enhanced by XR Triluminos Pro.
- Google TV with Google Assistant organizes your content all in one place.<sup>1</sup> Stream from your Apple device with AirPlay 2 support.<sup>14</sup>
- Enjoy streaming high-quality 4K UHD quality movies included with the BRAVIA CORE app.<sup>2</sup>
- Experience immersive cinematic content with support for Dolby Vision4, IMAX Enhanced5, and Netflix Adaptive Calibrated Mode<sup>6</sup>.
- Take your gaming to the next level with input lag as low as 8.5ms and BRAVIA XR exclusive features for the PlayStation<sup>®</sup>5.<sup>7</sup>
- Get the advantage in high-performance gaming with 4K/120,<sup>10</sup> VRR,<sup>11</sup> ALLM as specified in HDMI 2.1.
- Hear true immersive audio with two sound positioning tweeters in addition to traditionally placed TV speakers, plus support for Dolby Atmos.
- See blur-free picture quality in fast-moving sports and movies powered by XR Motion Clarity technology.
- Bring back lost texture and detail and see your content upscaled to near-4K resolution with XR 4K Upscaling.<sup>12</sup>
- Multi-position stand offering two variations – low-profile setting for immersive viewing or raised to accommodate a soundbar.<sup>15</sup>
- With the optional BRAVIA CAM, video chat on the big screen and allow Ambient Optimization Pro to automatically adjust picture and sound according to your room environment.

## Features

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### Next generation picture and sound with Cognitive Intelligence

See how real your entertainment becomes and experience immersive depth and lifelike picture quality, powered by Sony's intelligent Cognitive Processor XR™. Revolutionary TV processing technology delivers enhanced contrast with detailed blacks and natural colors. Hundreds of



thousands of individual on-screen elements are processed and remastered in the blink of an eye, boosting color, contrast, and clarity, bringing astounding realism to your content.

### **Real life depth with deep blacks and impressive brightness**

Experience real-life depth and detail with the deep blacks and impressive brightness of Full Array LED, powered by the Cognitive Processor XR™. By controlling brightness in sections of the screen independently, our new unique Full Array LED backlight structure balances light output to ensure scenes are full of breathtaking contrast. XR Contrast Booster 10 further enhances contrast to feel more true-to-life by maximizing peak brightness and precisely controlling black levels.

### **A wide color spectrum for real-world shades and hues**

See colors that are natural and beautiful to the human eye. The Cognitive Processor XR™ enables Sony BRAVIA XR™ TVs to access billions of accurate colors and reproduce each shade with the subtle differences seen in the real world. XR Triluminos™ Pro further enhances the range of hues and saturation allowing for extremely precise details within textures and ensuring skin tones look completely natural – with the same accuracy as the human eye.

### **The entertainment you love. With help from Google**

See 700,000+ movies and TV episodes, plus live TV, all in one place. Google TV™ brings your favorite content from across your apps and subscriptions and organizes them just for you. Searching is easy – just ask Google. Try saying, “Hey Google, find action movies” to search across your favorite apps.<sup>1</sup>

### **Bring the cinematic experience home, enjoy included movies with BRAVIA CORE™**

With the BRAVIA CORE™ app, enjoy the latest Sony Pictures Entertainment (SPE) titles and the largest IMAX Enhanced collection. Use the included credits to choose from hundreds of the latest release movies to redeem. In addition, you're subscribed to an amazing selection of movies to stream anytime and as many times as you like.<sup>2</sup> BRAVIA CORE is the first in the industry to feature Pure Stream™ technology, achieving near lossless 4K UHD Blu-ray equivalent quality with streaming up to 80 Mbps delivering stunning visuals and expressive sound quality.<sup>3</sup>

### **Enjoy immersive and engaging cinematic content as the creator intended**

See your favorite content the way it was always meant to be watched with a range of technologies that preserve the creator's intent. Dolby Vision™ brings scenes to life with striking highlights, deeper blacks, and vibrant colors.<sup>4</sup> IMAX Enhanced™ content brings the immersion into the home with digitally remastered movies that provide full screen picture and more powerful sound – just as the creator intended.<sup>5</sup> Netflix Adaptive Calibrated Mode allow you to enjoy Netflix original content in original studio picture quality by working together with the ambient light optimization feature of BRAVIA XR TVs to immerse you in your favourite shows by optimizing the picture brightness based on your room lighting conditions.<sup>6</sup> BRAVIA CORE Calibrated Mode automatically adjusts to the optimal picture settings to create a truly exceptional at-home movie viewing experience.<sup>2</sup>

### **Perfect for PlayStation®5**

Take your gaming to the next level with BRAVIA XR TVs and feel the action all around you with



detailed, responsive gameplay. See the advantage in high-performance games and near-instant on-screen action with dedicated Game Mode featuring input lag as low as 8.5ms.<sup>7</sup> Only Sony TVs have exclusive features for the PS5<sup>®</sup> console. With Auto HDR Tone Mapping HDR settings of the PS5 console are automatically adjusted to your TV for detailed, high-contrast scenes.<sup>8</sup> And with Auto Genre Picture Mode picture quality modes automatically switch between Game Mode when gaming and Standard Mode when watching movies for optimal picture settings.<sup>9</sup>

## **Level-up your gaming with features specified in HDMI 2.1**

With features such as 4K/120, VRR, and ALLM as specified in HDMI 2.1, BRAVIA XR TVs deliver a thrilling gaming experience. With 4K/120 you get up to 120fps on compatible games<sup>10</sup> and input lag as low as 8.5ms<sup>7</sup>, giving you the advantage in high-intensity gaming. Variable Refresh Rate (VRR) allows the TV to dynamically adjust the displays refresh rate to match the variable frame rates of the gaming device to avoid stuttering delays and screen tearing enabling smoother gameplay.<sup>11</sup> And Auto Low Latency Mode (ALLM) allows your TV to recognize when a gaming console is connected and can automatically switch to low latency mode ensuring smoother, more responsive gameplay.

## **Sound and picture in perfect harmony**

Hear an audio experience that matches how we sense the world. With Acoustic Multi-Audio™, in addition to traditionally placed TV speakers, two sound positioning tweeters on the sides of the TV elevate the soundstage enabling sound to follow the action on screen. And with Dolby Atmos support and 3D Surround Upscaling, everything you watch gets the true surround sound treatment. With sound and picture in perfect harmony, you'll hear more realistic sound and exceptionally clear dialogue.

## **Intelligent motion processing for fast-moving, blur-free scenes**

Watching sports and action-packed movies just got a whole lot better. Powered by the Cognitive Processor XR™, XR Motion Clarity™ cross-analyzes and precisely controls the action in every scene to ensure picture quality stays smooth, bright, and clear with no blur.

## **Bring back lost texture and detail, the intelligent way**

Whatever the content or source, you'll enjoy entertainment close to 4K resolution with XR 4K Upscaling. Powered by the Cognitive Processor XR™, XR 4K Upscaling accesses a vast database, intelligently recreating lost textures and detail for a real-world picture. See the authentic features of people's faces, identify every blade of grass, and marvel at the precise texture of buildings and scenery.<sup>12</sup>

## **Hands-free entertainment with help from Google**

Your TV is more helpful than ever. Use your voice to find movies, stream apps, play music, and control the TV. Ask Google to find a specific title, search by genre, or get personalized recommendations by saying, "what should I watch?" Even get answers like sports scores, control smart home devices, and more. Just say "Hey Google" to get started.<sup>1</sup>

## **All your favorite streaming apps in one place**

Sony TVs with Google TV give you access to all your favorite streaming apps in one place, including Netflix, Amazon Prime Video, Disney+, YouTube, the Apple TV app, HBO Max, Peacock, and many more. Get access to all your favorite movies and TV shows in a simple, easy-



to-navigate interface and use Google Assistant to quickly find new content to watch.<sup>1</sup>

### **Family-friendly smart TV**

Discover a fun collection of movies and shows for the whole family. Create a Kids Profile that helps you guide children to age-appropriate content on streaming apps so they're not watching something they shouldn't be. Pick from a selection of playful avatars and themes, set parental controls to restrict what streaming services are shown, limit watching time, and even set bedtimes.<sup>1,13</sup>

### **Works with AirPlay 2**

With Apple AirPlay 2, you can share pictures, video, or audio to your television right from your iPhone, iPad, or Mac. Watch movies and shows from your favorite apps and the Apple TV app, or even Safari. Share your photos with everyone in the room.<sup>14</sup>

### **Beautifully designed to complement your unique viewing experience**

Our minimalist One Slate design with premium flush surface metal bezel elegantly embraces the screen in a single pane of glass that keeps you focused on the big picture. The versatile two-way multi-position stand gives you the flexibility of a low-profile immersive setting that focuses your attention on the picture or a raised setting for ideal positioning of your soundbar.<sup>15</sup>

### **Discover new ways to enjoy TV with BRAVIA CAM**

Connect BRAVIA CAM, sold separately, for an even more dynamic viewing experience. Ambient Optimization Pro recognizes where you're sitting in the room and automatically optimizes the picture and sound accordingly. This means picture brightness is tailored to your viewing environment and audio comes through clearer and more immersive. Also, BRAVIA CAM can enable Auto Power Saving Mode when it doesn't detect anybody in front of the TV – automatically darkening the screen and saving power consumption. Have fun with your TV and enjoy video chat with friends and family on the big screen. And gesture control enables you to change channels, adjust volume, and more using simple gestures, no remote required.<sup>16</sup>

### **Sony TVs are designed with the environment in mind**

Sony TVs are engineered to deliver stunning designs with the environment in mind. Sony TVs use recycled plastics in the rear covers, the largest TV part by surface area.<sup>19</sup> We've optimized our packaging to achieve approximately 35% reduction of plastic volume, and decreased packaging size by about 15% and weight by about 10%, increasing the number of units that can be shipped at a time.<sup>20</sup> And we've carefully considered the information printed on the packaging to reduce ink usage by up to 90%.

1. User must accept Google Terms of Service (<http://www.google.com/policies/terms/>), Play Terms of Service ([https://play.google.com/intl/en-US\\_us/about/play-terms/index.html](https://play.google.com/intl/en-US_us/about/play-terms/index.html)) and Privacy Policy (<http://www.google.com/policies/privacy/>) to use TV. User must connect to a Google account to use certain advertised features, including voice to activate linked apps, and install certain apps and operating software during setup. Use of TV without connecting to a Google account allows only basic TV features and certain apps. Wireless connectivity requires 802.11 home network (802.11n recommended). Network services, content, 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.
2. Purchase an eligible TV and register for BRAVIA CORE™ by February 23, 2024 to be eligible for promotion offers. Available movies subject to change. Terms and conditions apply, for full details see <https://www.sony.net/bravia-core>. © 2021 Layout and Design Sony Pictures Home Entertainment Inc. All Rights Reserved. Network services, content, and operating system and software of 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.
  3. User must setup broadband network environment. By default, Pure Stream setting is turned OFF and must be turned ON in BRAVIA CORE settings. BRAVIA CORE offers streaming between 30Mbps-80Mbps once user turns ON Pure Stream. To access Pure Stream at 30Mbps, user must have a minimum internet speed of 43Mbps over Wi-Fi. To access highest quality Pure Stream available at 80Mbps user must have minimum internet speed of 115Mbps over Wi-Fi. Subject to user's network operator's video streaming restrictions, BRAVIA CORE automatically selects the best bitrate as following with adaptive streaming functionality based on the internet speed available.
  4. Dolby Vision content compatible with streaming services or compatible content device connected via HDMI input (sold separately).
  5. IMAX Enhanced content enables full IMAX Enhanced experience with compatible streaming services such as Fandango Now (US only) and BRAVIA CORE, or compatible content device connected via HDMI input (sold separately).
  6. Netflix streaming membership required. 4K Ultra HD availability subject to your Netflix subscription plan, internet service, device capabilities, and content availability. [www.netflix.com/termsfuse](http://www.netflix.com/termsfuse). A future firmware update will allow you to adjust picture quality while Netflix Adaptive Calibrated Mode is enabled.
  7. Input lag time measured via 4K/120fps game HDMI input, may differ by real-time usage environment or specific conditions. Game title supporting 4K/120fps required.
  8. Software updates on both PlayStation®5 console and TV available by automatic update or user-initiated update. To activate Auto HDR Tone Mapping, must enable feature when pairing TV and PS5 for the first time; or will need to disconnect TV and PS5, perform factory reset and enable the feature during initial setup. Feature is supported only when PS5 and TV are directly connected. Applicable models: All BRAVIA XR models, X85K, X85J, X80K, X80J, X900H.
  9. Software updates on both PlayStation®5 console and TV available by automatic update or user-initiated update. This function works when Auto Picture Mode on the TV is set to ON and is supported only when PS5 and TV are directly connected. Applicable models: All BRAVIA XR models, X85K, X85J, X80K, X80J, X900H.
  10. 4K: 3,840 x 2,160 pixels. Game title supporting 4K/120fps required.
  11. VRR will be available via a future firmware update.
  12. 4K: 3,840 x 2,160 pixels. Upscaled, simulated and enhanced 4K images will vary based on source content.
  13. This feature is for users of video streaming apps. TV broadcasts cannot be accessed when using Kids Profile. Some TV functions may not be available while using Kids Profile, such as changing settings or inputs.
  14. 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.
  15. Actual look may differ depending on TV size and type of cables used.
  16. Other than video chat, other BRAVIA CAM features available via firmware update in April 2022.
  17. Clean exterior surfaces gently with a dry, clean cloth or household disinfectant wipe (such as Clorox Disinfecting Wipes). Do not spray disinfectant directly on the remote. Proven 99.9% or more effective against bacterial growth on remote control buttons based on JIS Z2801 testing. This material is not antiviral. There is no guaranteed effect against viruses such as COVID-19.
  18. SU-WL855 wall-mount bracket is available for select Sony OLED and LED models. See compatible TV models here: <https://www.sony.com/electronics/support/articles/00197971>. TV and wall mount system sold separately. Hardware included with wall-mount bracket.
  19. The recycle rate refers to flame-retardant materials. The recyclable material used on the TV may differ depending on size.
  20. Compared to FY18 models. The ratio may vary by model.
  21. The CES Innovation Awards are based upon descriptive materials submitted to the judges. CTA did not verify the accuracy of any submission or of any claims made and did not test the item to which the award was given.
  22. Horizon Forbidden West™: Releasing 02/18/2022. ©2021 Sony Interactive Entertainment Europe. Developed by Guerrilla. Horizon Forbidden West is a trademark of Sony Interactive Entertainment LLC.
  23. This is the perceptible contrast level expanded by XR Contrast Booster technology, which is a unique figure calculated for the contrast that users actually feel and experience.
  24. Acoustic Centre Sync is compatible with Sony Soundbar HT-A7000 /HT-A5000 and Home Theatre System HT-A9.
  25. Applicable headphones are WH-1000XM3, WF-1000XM3, WI-1000XM2, WH-1000XM4, WF-1000XM4, WH-XB900N, WH-XB700, WH-H810, WH-H910N, WF-C500, WH-XB910N.
  26. 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.



# SONY



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