

SONY

XBR-49X900F

49" class (48.5" diag.) BRAVIA 4K HDR ULTRA HD TV

Armed with a stunning array of technologies like the X1 Extreme Processor, X-Tended Dynamic Range PRO, and X-Motion Clarity, the Sony X900F 4K HDR TV displays an awe-inspiring 4K HDR^{1,2} picture with stunning clarity, contrast, and color. It's more than just a TV - It's what 4K HDR TVs aspire to be.



Bullets

- Full Array backlight with local dimming for more precise dynamic range
- Everything you watch looks like 4K HDR¹ with the X1 Extreme processor and 4K X-Reality PRO
- X-tended Dynamic Range™ PRO 6X contrast range provides a wider range of brightness
- 4K HDR^{1,2} - HDR10, HLG & Dolby Vision® for incredible detail and clarity
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display & 4K HDR Super Bit Mapping
- On-screen action and motion look better than ever with X-Motion Clarity™ technology
- Android™ TV with Google Assistant technology gives you a genius TV³,
- A TV with premium aesthetics: Slice of living design with cable management
- Compatible with Google Home and Amazon Alexa for an even smarter home
- Live TV Streaming, no annual contract with PlayStation™ Vue
- Download your favorite content, shopping, and gaming Apps from Google Play³

Features

Uncover the detail with 4K HDR

High Dynamic Range (HDR) will change the way you look at TV. Combined with 4K Ultra HD resolution¹, HDR video content delivers exceptional detail, color and contrast, with a far wider range of brightness than other video formats². The result is the most lifelike picture TVs have ever been able to create, with brilliant highlights and fine detail.

Everything should look like 4K HDR

Our newly developed 4K HDR Processor X1 Extreme outperforms our conventional 4K Processor X1 with 40% more real-time image processing power. It takes everything you watch and improves it to near 4K HDR quality^{1,2}. Object-based HDR Remaster technology can detect, analyze and optimize each object in the picture individually to adjust the overall contrast for a more natural and realistic picture on screen.

Full-array local dimming

With our full-array local dimming technology, you get enhanced contrast and incredible brightness in a stunningly slim design. Add in X-tended Dynamic Range™ PRO 6x and enjoy six times the contrast range² of a conventional LED-edge lit TV by accurately balancing the light output across the screen.

Vibrant colors, smooth gradations

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.

X-Motion Clarity

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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.

A masterpiece of design

Unsightly wires are managed and kept out of sight inside the hidden cable panel structure for a clean, sophisticated look.

A genius TV, a smarter home

Find all the entertainment you can dream of, faster than ever. From movies and TV shows to thousands of apps including your favorite Android games, Sony's Android™ TV brings you everything in an instant³. Cast your favorite apps with Google Cast, or enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Amazon Video, Hulu, Pandora and more^{3,4}. With Google Home and Amazon Alexa 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.

Upscale to a more natural picture

The difference is clear. You'll see lifelike detail and stunning clarity, no matter what you're watching. Two powerful image improvement databases work together, dynamically improving images in real time. 4K X-Reality PRO™ upscales images to near 4K clarity while a second database cleans the picture and reduce on-screen noise. Every single pixel is enhanced beautifully by the powerful 4K HDR Processor X1 Extreme.

Meet your Google Assistant

Android TVs by Sony now have the Google Assistant built-in, making your life easier³. Ask it to play your favorite movie, check the score of your favorite team, and control your TV and even your home. It's your own personal Google, always ready to help.

Live TV, no annual contract

PlayStation™ Vue now available on Android TV³. Enjoy live TV streaming with no annual contract and no surprise fees. Experience premium content, including sports, news and more, from your favorite networks.

Specifications

Audio		DTS audio format support	DTS Digital Surround	Text Input Language	BUL / CAT / HRV / CES / DAN / DUT / ENG / EST / FIN / FRA / GER / GRK / HUN / ITA / LAV / LIT / NOR / POL / POR / RON / RUS / SLK / SLV / SPA / SWE / TUR / UKR / THA / VIE / ARA / FAS / JPN
Audio Power Output	10W+10W	HDMI Audio Return Channel(ARC)	Yes		
Bass/Treble/Balance	Balance	HDMI input Audio format	5.1 channel linear PCM:		
DSEE/DSEE-HX	DSEE	Headphone/Speaker Link	Yes		
Speaker Configuration	2ch, Full Range(25x90mm)x2	Simulated Surround Sound	S-Force Front Surround		
Speaker Position	Down Firing	S-Master	S-Master Digital Amplifier		
Speaker Type	Bass Reflex	Sound Modes	Standard,Dialog,Cinema ,Music,Sports	USB drive format support	Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)
Audio Features		Convenience Features		USB playback codecs	MPEG1: MPEG1 / MPEG2PS: MPEG2 / MPEG2TS (HDV,AVCHD) : MPEG2, AVC / MP4 (XAVCS) : AVC , MPEG4 , HEVC / AVI : Xvid, MotionJpeg/ ASF
Advanced Auto Volume	Yes	Application Store	Yes (Google Play Store)		
Alternate Audio (Digital)	Yes	Auto Picture Mode	Yes		
ARC Output Format	Two channel linear PCM: 48 kHz 16 bits,Dolby Digital,Dolby Digital Plus,DTS	Auto Shut-off	Yes		
Audio Out	Fixed/Variable	Channel Block (with password)	Analog & Digital		
Auto Mute (on no signal)	Yes	Chromecast built-in	Yes		
Auto Surround	Yes	HDMI-CEC	Yes		
Clear Audio+	Yes	i-Manual	Yes		
Clear Phase	Yes	On/Off Timer	Yes		
Digital audio out (Optical) format	Two channel linear PCM: 48 kHz 16 bits,Dolby Digital,DTS	On-Screen Clock	Yes		
Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby Pulse	Parental Control	Yes		
		Show/Hide Channels	Yes (Digital & Analog)		
		Sleep Timer	Yes		
				Voice Search	Yes
Customizing Capability					
				RS-232C Control	Yes
Design Features					
				Cable Management	Yes
				Frame color	Black

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Illumination LED	Yes
Stand Design	Dark Silver L-Shape
Display Features	
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
Display	
Aspect Ratio	16:9
Display Resolution	QFHD
Display resolution (H x V, pixels)	3840x2160
Screen Size (cm, measured diagonally)	123.2 cm
Screen Size (inch, measured diagonally)	49" (48.5")
Viewing Angle (Right/Left)	178(89/89) degree
Viewing Angle (Up/Down)	178(89/89) degree
Energy Saving & Efficiency	
Dynamic Backlight Control	Yes
Power Saving Modes	Yes
General Features	
Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Hotel Mode Menu	Yes
Inputs and Outputs	
4K 60P High-Quality formats	HDMI IN2, IN3 ports for 4K(up to 6Gbps) signal.
AC Power Input	1 (REAR)
Analog Audio Input(s) (Total)	1 (Side)
Audio / Headphone Output(s)	1 (Side/Hybrid w/HP and Subwoofer Out)
Bluetooth profile support	Version 4.1 HID/HOGP/SPP/A2DP/AVRCP
Composite Video Input(s)	1 (Side)
Digital Audio Output(s)	1 (Bottom)
Ethernet Connection(s)	1 (Bottom)
HDCP	HDCP2.2 (for HDMI1/2/3/4)
HDMI inputs total	4 (1 Side, 3 Bottom)

HDMI PC Input Format	640 x 480 @31.5kHz, 60Hz 800 x 600 @37.9kHz,60Hz 1024 x 768 @48.4kHz,60Hz 1280 x 1024 @64.0kHz,60Hz 1152 x 864 @67.5kHz,75Hz 1600 x 900 55.9kHz,60Hz 1680 x 1050 @65.3kHz,60Hz 1920 x 1080 @67.5kHz,60Hz
HDMI Signal	4096x2160p(24,60Hz), 3840x2160p(24,30,60Hz), 1080p(30,60Hz), 1080/24p, 1080i(60Hz), 720p(30,60Hz), 720/24p, 480p, 480i
Headphone Output(s)	1 (Side/Hybrid w/Audio Out and Subwoofer Out)
RF Connection Input(s)	1 (Bottom)
RS-232C Input(s)	1 (Bottom)
Subwoofer Out	1 (Side/Hybrid w/HP and Audio Out)
USB Port(s)	2 (Side) / 1 (Bottom)
Network Features	
Codec for Home Network	MPEG1: MPEG1 / MPEG2PS : MPEG2 / MPEG2TS (HDV,AVCHD): MPEG2 , AVC / MP4 (XAVCS) : 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
Featured (Content Bar)	Yes
Home Network Feature	Home Network Client, Home Network Renderer
Internet Browser	Vewd (Not pre-installed)
Other Network Features	Content Bar: Yes Related Info: Yes (US / Canada / MX(STB))
Screen mirroring(Miracast™)	Yes
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
Power	
Annual Power Consumption	219 kWh/Year
Power Consumption (in Operation)	177W

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
Regulation and Standards Compliance	
VESA® Hole Pitch	7 7/8 x 7 7/8 inch (200 x 200 mm)
VESA® Hole Spacing Compatible	Yes
Sensing Features	
LightSensor™ Technology	Yes
Service and Warranty Information	
Limited Warranty Term	12 Months
TV System	
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 7.0 Nougat
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
TV System (Digital Terrestrial)	ATSC
Video Features	
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	4K HDR Processor X1 Extreme
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)
Live Color™ Technology	Yes
Mastered in 4K	Yes
Object-based HDR remaster	Yes

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Panel Refresh Rate (Native Hertz)	120Hz
PhotoTV HD	Yes
Picture Modes	Vivid, Standard, Custom, Cinema Pro, CinemaHome, Sports, Animation, Photo-Vivid, Photo-Standard, Photo-Custom, Game, Graphics
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
CineMotion/Film Mode/Cinema Drive	Yes

Supplied Accessories	Voice Remote Control (RMF-TX310U) Batteries (LR03) AC Power Cord Spec (Pig-tail Connector, US, 2pin, Polarity, flat blades Polarity) IR Blaster (1-849-161-12) Operating Instructions (US,FR) Quick Setup Guide / Supplement CUE (GA) (US,FR,ES,PT) Table Top Stand (Separate(assembly required))
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Weights and Measurements

Dimensions (Approx.)	Tv only: 43 1/8 x 24 7/8 x 2 3/4 inch (1093 x 629 x 69 mm) Tv with stand: 43 1/8 x 27 3/8 x 10 5/8 inch (1093 x 694 x 268 mm) Stand Width: 38 7/8 inch (987 mm) AC Cable Length: 1500 mm Package Carton: 46 3/4 x 29 1/2 x 7 3/8 inch (1186 x 748 x 185 mm)
Weight (Approx.)	Tv only: 30.0 lb (13.6 kg) Tv with stand: 320 lb (14.5 kg) Package Carton: 41.9 lb (19kg)

Accessories

- 3,840 x 2,160 pixels.
- Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video.
- 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. 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 individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.
- Requires compatible devices connected to the same network. Google Cast requires mobile devices with Android 2.3 or higher, or iOS 6.0 or higher and Chromecast application. Google Play using Android TV Remote Control application requires Android 4.0 or higher; not available for iOS. Voice Search is available using the included remote control, Android TV Remote Control application with Android 4.0 or higher, or using Sony's TV SideView application available for Android 4.0.3 or higher or iOS 7.0 or higher.
- 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.
- Amazon Alexa enabled devices (sold separately) compatible with Sony TV's powered by Android TV. Works with voice-enabled remote controls. Subscriptions may be required to access certain content.
- Service not available in all areas. See www.psvue.com for details. Sony Entertainment Network Account is required. Network services, content, and the operating system and software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

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