SONY

XBR-55X900F

55" class (54.6" 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 HDR[1,7] with the X1™ Extreme processor and 4K X-Reality PRO
- X-tended Dynamic Range™ PRO 6X contrast range provides a wider range of brightness[10]
- 4K HDR[1,2] - HDR10, HLG, IMAX Enhanced15 and Dolby Vision® for incredible detail and clarity[9]
- 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 the Google Assistant technology built in gives you a genius TV[3,11]
- A TV with premium aesthetics: Slice of living design with cable management
- Compatible with Google Home[4] and Amazon Alexa[5] for an even smarter home
- Live TV Streaming, no annual contract with PlayStation™ Vue[7,6]
- Download your favorite content, shopping, and gaming Apps from Google Play[3,8]

Features

Uncover the detail with 4K HDR

High Dynamic Range (HDR) will change the way you look at TV. Combined with 4K Ultra HD resolution[1], HDR video content delivers exceptional detail, color and contrast, with a far wider range of brightness than other video formats[2]. In addition, IMAX Enhanced[15] makes movies feel larger than life and Dolby Vision[9] brings scenes to life with striking highlights, deeper darks and vibrant colors, creating an immersive, engaging cinematic experience. 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[1,7]. 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. Additionally, X-tended Dynamic Range™ PRO 6x provides a wider range of brightness than conventional LED 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

SONY

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. The aesthetics of the new Slice of Living design not only compliment your living space, but coexist perfectly with Sony's 2018 lineup of high-performance sound bars, making your entertainment center look like a work of art.

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 instant[11]. Cast your favorite apps with Chromecast built-in[12], or enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Amazon Video, Hulu, Pandora and more[3,13]. With Google Home[4] and Amazon Alexa[5] 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.[14]

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[7]. 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 easier[11]. 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 TV. Enjoy live TV streaming with no annual contract and no surprise fees[6]. Experience premium content, including sports, news and more, from your favorite networks.

Specifications

Audio	
Audio Power Output	10W +10W
Bass/Treble/Balance	Balance
DSEE/DSEE-HX	DSEE
Speaker Configuration	2ch, Full Range (25x90mm)x2
Speaker Position	Down Firing
Speaker Type	Bass Reflex
Audio Features	
Advanced Auto Volume	Yes
Alternate Audio (Digital)	Yes
ARC Output Format	Two channel linear PCM: 48 kHz 16 bits, Dolby Digital, Dolby Digital Plus,DTS
Audio Out	Fixed/Variable
Auto Mute (on no signal)	Yes
Auto Surround	Yes
Clear Audio+	Yes
Clear Phase	Yes

Digital audio out (Optical) format	Two channel linear PCM: 48 kHz 16 bits,Dolby Digital,DTS
Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby Pulse
DTS audio format support	DTS Digital Surround
HDMI Audio Return Channel(ARC)	Yes
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
Headphone/Speaker Link	Yes
Simulated Surround Sound	S-Force Front Surround
S-Master	S-Master Digital Amplifier
Sound Modes	Standard, Dialog, Cinema, Music, Sports
Convenience Features	
Application Store	Yes(Google Play Store)
Auto Shut-off	Yes
Channel Block (with password)	Analog & Digital

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	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
USB drive format support	Yes (Supported File System: FAT16/FAT32/ exFAT/NTFS)

SONY

USB playback codecs	MPEG1: MPEG1 / MPEG2PS: MPEG2 / MPEG2TS (HDV,AVCHD) : MPEG2, AVC / MP4 (XAVCS) : 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) / WAV / MP4AAC / FLAC / JPEG
Voice Search	Yes

Customizing Capability

RS-232C Control	Yes

Design Features

Cable Management	Yes
Frame color	Black
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)	138.8cm
Screen Size (inch, measured diagonally)	55" (54.6")
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	HDCP2.3(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
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/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, 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
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	264 kWh/Year
Power Consumption (in Operation)	224W
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	11 7/8 x 11 7/8 inch (300 x 300 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)

SONY

On-board Storage (GB)	16GB	Picture Modes	Vivid, Standard, Custom, Cinema Pro, Cinema Home, Sports, Animation, Photo-Vivid, Photo-Standard, Photo-Custom, Game, Graphics, Dolby Vision	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))
OS	Android 7.0 Nougat				
Tuner Channel Coverage (Digital Cable)	CATV: 1-135	Precision Color Mapping	Yes		
Tuner Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69	Super Bit Mapping™ 4K HDR	Yes		
TV System (Analog)	M	Video Processing	4K X-Reality PRO		
TV System (Digital Cable)	Clear QAM	Wide Mode	Wide Zoom / Normal / Full / Zoom Normal / Full1 / Full2 for PC		
TV System (Digital Terrestrial)	ATSC				
Video Features		CineMotion/Film Mode/Cinema Drive	Yes		
24p True Cinema	Yes	**Weights and Measurements**			
4:3 Default	Yes	Dimensions (Approx.)	Tv only: 48 3/8 x 27 7/8 x 2 3/4 inch (1228 x 706 x 69 mm) Tv with stand: 48 3/8 x 30 3/8 x 10 5/8 inch (1228 x 771 x 268 mm) Stand Width: 39 1/8 inch (993 mm) AC Cable Lenght: 1500 mm		
4K Processor	4K HDR Processor X1 Extreme				
Auto Wide	Yes				
Blinking Type	Line Blinking				
Dual database processing	Yes				
Dynamic Contrast Enhancer	Yes	Packaging (Approx.)	Carton: 52 5/8 x 32 3/4 x 7 1/2 inch (1334 x 831 x 190 mm) Carton: 57.3 lb (26 kg)		
Face Area Detection	Yes				
HDR (High Dynamic Range) compatiblity	Yes (HDR10, HLG, Dolby Vision) * *Firmware update may be required.	Weight (Approx.)	Tv only: 40.1 lb (18.2 kg) Tv with stand: 42.1 lb (19.5 kg)		
Live Color™ Technology	Yes	**Accessories**			
Mastered in 4K	Yes				
Object-based HDR remaster	Yes				
Panel Refresh Rate (Native Hertz)	120Hz				

1. 3,840 x 2,160 pixels

2. Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video or HDR compatible content device connected via HDMI input. Requires HDMI ® cables sold separately.

3. User must connect to a Google account to use, including voice to activate linked apps.

4. 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.

5. 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.

6. 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.

7. Upscaled, simulated and enhanced 4K images will vary based on source content.

8. Apps must be compatible with TV.

9. 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.

10. 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.

SONY

11. 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. Apps must be compatible with TV.

12. Chromecast built-in compatibility dependent on app.

13. App availability varies by region and device. 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/. Third party product and services sold separately. Must download 3rd party apps in smart phone. Requires compatible devices connected to the same wireless home network.

14. Compatible devices require internet connection. 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.

15. IMAX Enhanced content enables the full IMAX Enhanced experience.