

# SONY

## XBR-65X850F

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

Beautiful scenery comes to life with the 4K HDR X1 Processor and TRILUMINOS™ Display in the X850F 4K HDR TV. Lifelike detail is revealed in your favorite entertainment with Dynamic Contrast Enhancement and 4K HDR Super Bit Mapping, displaying contrast and color gradation in stunning accuracy. It doesn't just display content, it evokes emotion.



#### Bullets

- Take non-HDR content to the next level with the X1 processor and 4K X-Reality PRO
- 4K HDR<sup>1,2</sup> - HDR10, and HLG for incredible detail and clarity
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display & 4K HDR Super Bit Mapping
- Content appears with lifelike motion with Motionflow™ XR technology
- Improved contrast with enhanced brightness and black levels
- Android™ TV with Google Assistant technology gives you a genius TV<sup>3</sup>
- Compatible with Google Home<sup>4</sup> and Amazon Alexa<sup>5</sup> for an even smarter home
- Download your favorite content, shopping, and gaming Apps from Google Play<sup>3</sup>
- Slice of living design with built-in cable management
- Live TV Streaming, no annual contract with PlayStation™ Vue<sup>6</sup>

#### 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<sup>1</sup>, HDR video content delivers exceptional detail, color and contrast, with a far wider range of brightness than other video formats<sup>2</sup>. The result is the most lifelike picture TVs have ever been able to create, with brilliant highlights and fine detail.

##### Take non-HDR content to the next level

Our 4K HDR Processor X1 outperforms our original 4K Processor X1 with more real-time image processing power. It takes even non-HDR content to near 4K HDR quality<sup>1</sup>. 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.

##### 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 color, for sunsets as bright and clear as real life.

##### Motionflow XR

TV that keeps up with real life. Sony's refresh rate technology (Motionflow™ XR 960) builds upon the native 120Hz panel to allow fast moving action sequences in sports and movies to be seen with lifelike clarity.

##### 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.

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## Improved contrast

Thanks to Dynamic Contrast Enhancer, experience more life, more texture and more energy in every scene with brighter highlights, deeper blacks, and more natural tonal gradation.

## Meet your Google Assistant

Android TVs by Sony now have the Google Assistant built-in, making your life easier<sup>3</sup>. 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.

## 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<sup>3</sup>. 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<sup>3</sup>. With Google Home<sup>4</sup> and Amazon Alexa<sup>5</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.

## A masterpiece of design

Unobtrusive wires are managed and kept out of sight inside the TV stand 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 soundbars, making your entertainment center look like a work of art.

## Live TV, no annual contract

PlayStation™ Vue service now available on Android TV. Enjoy live TV streaming with no annual contract and no surprise fees.<sup>6</sup> Experience premium content, including sports, news and more, from your favorite networks.

## Specifications

Audio		Headphone/Speaker Link		USB drive format support	
Audio Power Output	10W+10W	Yes		Yes (Supported File System: FAT16/FAT32/exFAT/NTFS)	
Bass/Treble/Balance	Balance	Simulated Surround Sound	S-Force Front Surround	USB playback codecs	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) / WAV /MP4AAC / FLAC / JPEG
DSEE/DSEE-HX	DSEE	S-Master	S-Master Digital Amplifier		
Speaker Configuration	2ch, Full Range (25x90mm)x2	Sound Modes	Standard, Dialog, Cinema, Music, Sports		
Speaker Position	Down Firing	<b>Convenience Features</b>			
Speaker Type	Bass Reflex	Application Store	Yes (Google Play Store)		
Audio Features		Auto Picture Mode	Yes		
Advanced Auto Volume	Yes	Auto Shut-off	Yes		
Alternate Audio (Digital)	Yes	Channel Block (with password)	Analog & Digital		
ARC Output Format	Two channel linear PCM: 48 kHz 16 bits,Dolby Digital,DTS	Chromecast built-in	Yes	Voice Search	Yes
Audio Out	Fixed/Variable	HDMI-CEC	Yes	Customizing Capability	
Auto Mute (on no signal)	Yes	i-Manual	Yes	RS-232C Control	Yes
Auto Surround	Yes	On/Off Timer	Yes	Design Features	
Clear Audio+	Yes	On-Screen Clock	Yes	Cable Management	Yes
Clear Phase	Yes	Parental Control	Yes	Frame color	Black
Dolby audio format support	Dolby Digital, Dolby Digital Plus, Dolby Pulse	Show/Hide Channels	Yes (Digital&Analog)	Illumination LED	Yes
DTS audio format support	DTS Digital Surround	Sleep Timer	Yes	Stand Design	Silver Chevron
HDMI Audio Return Channel(ARC)	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	Display Features	
HDMI input Audio format	5.1 channel linear PCM:				Backlight dimming type
				Backlight Type	Edge LED
				Display type	LCD
				TRILUMINOS Display	Yes
				Display	

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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 IN2, IN3 ports for 4K(up to 6Gbps) signal.
AC Power Input	1 (REAR)
Analog Audio Input(s) (Total)	1 (Rear)
Audio / Headphone Output(s)	1 (Side/Hybrid w/HP and Subwoofer Out)
Bluetooth profile support	Version 4.1 HID/HOGP/SPP/A2DP/AVRCP
Component Video (Y/Pb/Pr) Input(s)	1 (Rear Hybrid w/ Composite)
Composite Video Input(s)	1 (Rear Hybrid w/ Component)
Digital Audio Output(s)	1 (Rear)
Ethernet Connection(s)	1 (Side)
HDCP	HDCP2.2(for HDMI1/2/3/4)
HDMI inputs total	4 (3Side, 1Rear)
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 @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), 1080i(60Hz), 720p(30,60Hz), 720i(24p, 480p, 480i

Headphone Output(s)	1 (Side/Hybrid w/Audio Out and Subwoofer Out)
RF Connection Input(s)	1 (Side)
RS-232C Input(s)	1 (Side)
Subwoofer Out	1 (Side/Hybrid w/HP and Audio Out)
USB Port(s)	3 (Side)
<b>Network Features</b>	
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
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
<b>Power</b>	
Annual Power Consumption	223 kWh/Year
Power Consumption (in Operation)	196W
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>Sensing Features</b>	
LightSensor™ Technology	Yes
<b>Service and Warranty Information</b>	
Limited Warranty Term	12 Months
<b>TV System</b>	
Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/ CATV: 1-135
Color Space	sRGB / BT709, BT2020, AdobeRGB, DCI
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
<b>Video Features</b>	
CineMotion/Film Mode/Cinema Drive	Yes
Video Signal (analog)	1080p(60)/1080i(60)/720p(60)/480p/480i
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	4K HDR Processor X1
Auto Wide	Yes
Blinking Type	Frame Blinking
Dynamic Contrast Enhancer	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, Cinema Home, Sports, Animation, Photo-Vivid, Photo-Standard, Photo-Custom, Game, Graphics
Super Bit Mapping™ 4K HDR	Yes
Video Processing	4K X-Reality PRO
Wide Mode	Wide Zoom / Normal / Full / Zoom Normal / Full1 / Full2 for PC

Supplied Accessories	Voice Remote Control (RMF-TX310U) Batteries (LR03) AC Power Cord Spec (Connector:Pig-tail,2 pin, flat blade, Polarity, US) 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: 57 1/8 x 33 x 2 1/8 (9/16) inch (1450 x 836 x 52 (14.1) mm) Tv with stand: 57 1/8 x 35 1/2 x 12 1/2 inch (1450 x 900 x 315 mm) Stand Width: 44 3/8 inch (1124 mm) AC Cable Length: 1500mm
Packaging (Approx.)	Carton: 61 5/8 x 37 1/4 x 7 1/8 inch (1565 x 946 x 179 mm) Carton: 77.1lb. (35 kg)
Weight (Approx.)	Tv only: 56.4 lb (25.6kg) Tv with stand: 58.4 lb (26.5 kg)

## Accessories

- 3,840 x 2,160 pixels.
- Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video.
- User must connect to a Google account to use, including voice to activate linked apps. Network services, content, and the operating system and software of this product are subject to third party terms and conditions, registration and fees, and may be changed, interrupted or discontinued at any time. Internet connection required.
- 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. User must link compatible devices in order to control operation. Download the Google Home app from the iPhone App Store or Google Play to your smart phone in order to operate compatible third party products and services utilizing Google Home app and Google Assistant on Sony TV.
- 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](http://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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