SONY

XBR-65X850E

65" class (64.5" diag) 4K HDR Ultra HD TV

Go beyond what you've seen before with remarkable 4K[1] HDR clarity, color and contrast. Scenes are more detailed, more natural and more real with 4K HDR Processor X1, and life's brilliance is revealed with extra smooth and vibrant colors. And with Android TV, find all the entertainment you want.

Bullets

- The dramatic contrast, color and detail of 4K HDR
- Take even non-HDR content to the next level with the new 4K HDR Processor X1
- Enjoy smooth and vibrant colors with TRILUMINOS™ Display and 4K HDR Super Bit Mapping
- Android™ TV with Google Home compatibility gives you a genius TV
- Lifelike motion with Motionflow™ XR technology
- Improved contrast with enhanced brightness and black levels
- 4K X-Reality PRO provides lifelike detail and clarity
- Live TV streaming, no annual contract with PlayStation™ Vue
- Just say what you want with Voice Search
- Send entertainment from your smartphone to your TV with Google Cast™[3]

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. 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 newly developed 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[1]. 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 vibrant, 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.

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, Sony's Android™ TV brings you everything in an instant[3]. Cast your favorite apps with Google Cast, and Voice Search helps you find the entertainment you want. And with Google Home compatibility, simply voice-control your TV and ask it to do things, like play your favorite YouTube videos.

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.

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Redefining realism

The difference is clear. You'll see lifelike detail and stunning clarity, no matter what you're watching. 4K X-Reality PRO™ upscales images to near 4K clarity[1]. See the details appear in buildings and trees as scenes become clearer, smoother and more natural.

Motionflow™ keeps the action smooth

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.

Live TV, no annual contract

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

Just say what you want

Spend less time browsing, and more time watching. Voice search on Android TV™ provides you with the power of Google search in 42 languages, allowing you to find content across different services without the hassle of time-consuming text entry[3]

Send to a bigger, better screen with Google Cast™

Send movies and music from your smartphone to your TV with Google Cast™. Use your phone as a remote control[3]

Your favorite apps, on your TV

Enjoy a huge range of apps from Google Play™, including YouTube™, Netflix, Amazon Video, Hulu, Pandora and more. Also, play your favorite Android games on the big screen[3].

A masterpiece of design

Keep wires out of sight, thanks to a hidden cable panel structure, for a clean look.

Specifications

Audio	
Bass/Treble/Balance	Balance
DSEE/DSEE-HX	DSEE
Speaker Configuration	2ch, Full Range (25 x 90 mm) x 2
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: 48kHz 16bits, Dolby Digital, Dolby Digital Plus, DTS
Audio Out	Fixed / Variable
Auto Surround	Yes
Clear Audio+	Yes
Clear Phase	Yes
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 Picture Mode	Yes
Auto Shut-off	Yes
Channel Block (with password)	Analog & Digital
Google Cast™	Yes
HDMI-CEC	Yes
i-Manual	Yes
Multiple Language Display	English, Spanish, French
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)
USB playback codecs	MPEG1:MPEG1/ MPEG2PS:MPEG2/
Voice Search	Yes

Customizing Capability	
RS-232C Control	Yes

Design Features	
Cable Management	Yes
Frame color	Black
Illumination LED	Yes
Stand Design	Dark Silver U Slate

Display Features	
Backlight dimming type	Frame Dimming
Backlight Type	Edge LED
Display type	LCD

Display	
Aspect Ratio	16:9

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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

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	Up to 18Gbps:4K 60p 4:4:4(8bit), 4:2:2(8,10,12bit), 4:2:0(8,10bit) HDR included for HDMI 2/3
AC Power Input	AC Adapter
Analog Audio Input(s) (Total)	2 (1 Side Analog Conversion / Rear Hybrid w/Component)
Audio / Headphone Output(s)	1 (Side/Hybrid w/HP and Subwoofer Out)
Bluetooth profile support	Version 4.1/ HID/HOGP/ SPP/A2DP(via firmware update)/AVRCP(via firmware update)
Component Video (Y/Pb/Pr) Input(s)	1 (Rear Hybrid w/ Composite)
Composite Video Input(s)	2 (1 Side Analog Conversion / 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 (3 Side/1 Rear)
HDMI PC Input Format	640 x 480@60Hz 800 x 600@60Hz 1024 x 768@60Hz 1280 x 1024@60Hz 1600 x 900@60Hz 1152 x 864@75Hz 1680 x 1050@60Hz 1920 x 1080@60Hz
HDMI Signal	4096 x 2160p (24, 60Hz), 3840 x 2160p (24, 30, 60Hz), 1080p (30, 60Hz), 1080/24p, 1080i (60Hz), 720p (30, 60Hz), 720/24p, 480p, 480i
Headphone Output(s)	1 (Rear / Hybrid w/Audio Out and Subwoofer Out)
RF Connection Input(s)	1 (side)
RS-232C Input(s)	1 (Rear/Mini Jack)
Subwoofer Out	1 (Side / Hybrid w/HP and Audio Out)
USB Port(s)	3 (side)

Network Features

Codec for Home Network	MPEG1: MPEG1/ MPEG2PS: MPEG2/ MPEG2TS (HDV,AVCHD): MPEG2, AVC/MP4(XAVC S): 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
Electronic Program Guide (EPG)	Yes
Featured (Content Bar)	Yes
Home Network Feature	Home Network Client / Home Network Renderer
Internet Browser	Opera (not pre-Installed)
Live Football Mode	Yes
Other Network Features	Content Bar: Yes Genre Categories (Content Bar): Yes (depend on countries) Related Info: Yes (US / Canada / MX(STB))
Photo Sharing Plus / Photo Share	Yes
Screen mirroring(Miracast™)	Yes
Social Viewing	Yes
Trending on Twitter	Yes (only US)
TV SideView™	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	158 kWh/Year
Power Consumption (in Operation)	174W
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)
On-board Storage (GB)	16GB
OS	Android 6.0, Marshmallow
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

Video Signal (analog)	1080p (60) / 1080i (60) / 720p (60) / 480p /480i
24p True Cinema	Yes
4:3 Default	Yes
4K Processor	X1
Auto Wide	Yes
Blinking Type	Frame Blinking
HDR (High Dynamic Range) compatiblity	Yes
Live Color™ Technology	Yes
Mastered in 4K	Yes
Motionflow™ XR Technology	Motionflow XR
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
Video Processing	4K X-Reality PRO
Wide Mode	Wide / Normal / Full / Zoombr Normal / Full1 / Full2 for PC

Weights and Measurements

Dimensions (Approx.)	TV only: 57 1/4 x 33 1/8 x 1 3/4(15/32) inch (1454 x 840 x 44 (11.2) mm) TV with stand: 57 1/4 x 35 3/4 x 10 1/2 inch (1454 x 905 x 266 mm) Stand Width: 20 1/8 inch (509 mm) AC Cable Length: 1500 mm
Weight (Approx.)	TV only: 46.3 lb (21 Kg) TV with stand: 48.7 lb (22.1 Kg)

Accessories

Supplied Accessories	Voice Remote Control (RMF-TX300U) Batteries (R03) AC Power Cord Spec (US 2pin,Pig-tail, flat blades Polarity) IR Blaster (1-849-161-12) Operating Instructions Quick Setup Guide / Supplement CUE (GA) Table Top Stand (Separate, assemble required)

1. 3,840 x 2,160 pixels.

2. Compared to standard LED HDTVs.

3. 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.

4. 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.

5. Requires HDR compatible content from supported streaming services, such as Netflix, Ultra and Amazon Video.

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. 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.

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