

SONY

XBR-55X850B

54.6" (diag) X850B 4K Ultra HD TV

Join the 4K revolution with four times more clarity than HD¹. Everything you watch—sports, TV shows, movies—is upscaled for 4K Ultra HD viewing² and features Sony's widest color spectrum ever created. Powered by TRILUMINOS display technology, true-to-life colors pop with stunning vibrancy. There's even a One-Flick remote boasting a shortcut menu to your favorite videos on YouTube™ and more³.



Bullets

- HD is upscaled to 4K Ultra HD^{1, 2}
- Future ready – supports next gen 4K players/services
- Netflix, now streaming 4K Ultra HD³
- More brilliant expanded color with TRILUMINOS display
- Social TV – follow tweets, Skype & watch TV all at once³
- Stream PS3® games directly to your TV⁴
- Wireless streaming - movies, music & apps³
- Quick 'One-flick' to home menu, online videos & services
- Your smartphone screen on TV w/ NFC screen mirroring⁸
- Life-like motion clarity with Motionflow™ XR 240
- Enjoy 3D with 2 pairs of glasses included⁶
- TV SideView app to control your TV and channel guide⁷
- See more details in your DSLR photos (8MP+) with 4K resolution¹

Features

Four times clearer than HD

The 4K Ultra HD screen contains over 8 million individual pixels¹ that transform everything you watch into a life-like experience. Advanced picture processing also ensures that every single pixel displays images with superb brightness and authentic detail.

Upscale everything you watch to 4K Ultra HD

Suddenly, everything looks better. All of your existing HD sports, TV shows and movies are upscaled to super clear 4K quality². Even YouTube® clips and smartphone videos are enhanced with stunning results². The 4K X-Reality™ PRO picture engine analyzes and processes every image to refine color, clarity and detail for a beautifully natural picture.

More brilliant expanded color

Spoil yourself with the widest color spectrum we've ever offered on a television. Unique to Sony, TRILUMINOS Display technology creates incredibly true, natural shades of colors—just the way you want them. Hard-to-reproduce reds, aqua blues and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces look better, too, with natural skin tones. It's all thanks to a TRILUMINOS display that uses more colors to produce a more vibrant picture.

The most feature films in 4K

Add a Sony 4K Ultra HD Media Player (FMP-X10, sold separately) for exclusive access to the Video Unlimited 4K service, which hosts the largest selection of feature films and TV episodes in 4K Ultra HD for the home⁵. Choose to download new releases and classic films for rental or purchase^{3,5}. Or choose from a vast library of included 4K videos.

The future of 4K Entertainment is here

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Sony's 2014 4K Ultra HD TVs are optimized to support new codecs that are needed for a variety of current and forthcoming 4K video services including Netflix and Video Unlimited 4K³. There's also 500px for viewing breathtaking professional photos in 4K and PlayMemories Online to share your personal photos. Lastly, they also support the latest HDMI to connect external media players (sold separately), and 4K/60p playback for viewing 4K sports in the future.

Stream PS3® games directly to your TV⁴

Bring the immersive world of PlayStation® directly to your TV with PlayStation™ Now. For the first time discover and play PlayStation® 3 games – all streamed directly to your TV and played by connecting a DUALSHOCK® 3 controller to your TV. Choose from individual game rentals or subscribe to a variety channel of games and let epic adventures begin⁴.

Find everything faster.

An even faster way to find what you want. With 'One-Flick' on the remote you can instantly pull up a short cut menu that lets you navigate to your favorite TV channels, networked photos, and online videos from YouTube™, Crackle™, and Video Unlimited³.

Watch together, even while apart.

With Social Viewing you can watch TV, follow tweets and Skype, all at the same time. You can enjoy sports, TV shows, or movies with your friends and family even if you are not together. Add your Skype® video chat to the TV screen and cheer together when your favorite team scores. To add tweets on screen, choose a hashtag, and see comments relating to your show flow across the screen³.

Lifelike motion

Tired of the watching TV that can't keep up with real life movements? Sony's Refresh Rate Technology allows fast moving action sequences in movies and sports to be lifelike and smooth. Every movement—like seeing the football flip end to end on a kickoff—appears with true, fluid motion and minimal judder.

Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With three ways to connect Android phones and tablets to the TV, Sony is helping you add value to the entertainment you already own⁸.

Control your TV with your smartphone or tablet

Watch TV the fast and fun way with TV SideView. Control the TV or browse the channel guide with your smartphone or tablet device (Android or iOS), all without interfering with what you're watching on the TV. Learn more about the show you're watching right now, like cast and episode details, or search other channels, internet videos and even Netflix. There's even an easy way to live-tweet during your favorite shows⁷.

Specifications

3D Features		Audio Out	Fixed / Variable	Stereo System	MTS (AUTO SAP)
3D	Passive	Auto Mute (on no signal)	Yes	Convenience Features	
3D Format Support	Yes (2K only)	Clear Phase Speaker	Yes	Auto Photo Mode	Yes
3D Super-resolution	Yes	Digital Out Format	Dolby Digital, PCM	Auto Shut-off	Yes
Auto 3D Depth Adjustment	Yes	Dolby®	Dolby Digital, Dolby Digital Plus, Dolby Pulse	BRAVIA® Sync™	Yes
Simulated 3D	Yes (2K only)	Headphone/Speaker Link	Yes	Channel Block (with password)	Analog & Digital
Audio		Reflector	Yes	Channel Jump	Yes
Audio Power Output	10W + 10W	Signal-to-Sound Architecture	Yes	Channel Surf	Yes
Speaker Configuration	2ch, Full Range (30 x 80 mm) x 2	S-Master	Yes	Edit Channel Labels	Yes
Speaker Position	Down Firing	Sony Original Surround	S-Force Front Surround	Info Banner	Yes
Audio Features		Sound Booster	Yes	Input Skip	Auto
5.1 Channel Audio Out	Yes	Sound Mode	Standard Cinema Sports Music Game Compressed Audio	Label Inputs	Yes
5.1ch Through Out (Handycam)	Yes			Multiple Language Display	English Spanish French
Advanced Auto Volume	Yes			On/Off Timer	Yes
Alternate Audio (Digital)	Yes			On-Screen Clock	Yes
				On-Screen Display for External Input	Yes

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Panorama	Yes (2K only)
Parental Control	Yes
Photo Frame Mode	Yes
Picture Adjustments Lock	Yes
Picture Frame Mode	Yes
Scene Select	Photo Music Cinema Game Graphics Sports Animation
Show/Hide Channels	Yes
Skin Naturalizer	Yes (2K only)
Sleep Timer	Yes
Twin Picture	PAP (Variable)
USB Play	Yes (USB viewer supports FAT16, FAT32, exFAT and NTFS file systems.)
USB Play (Contents)	MPEG1 / MPEG2PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI(XVID) / AVI(MotionJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / WAV / JPEG / MPO / RAW(ARW)
USB Super Multi-Format Play	Yes

Customizing Capability

RS-232C Control	Yes for SonySTD
Illumination LED	Yes

Design Features

Stand Design	2 tone (Silver / Black)
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Display Features

Backlight Type	LED
Dimming Type	Frame Dimming
Display Device	LCD
Triluminos Display	Yes

Display

Aspect Ratio	16:9
Display Resolution	QFHD
Dynamic Contrast Ratio	Over 1 million
Screen Size (cm)	138.8 cm
Screen Size (measured diagonally)	55"(54.6")
Viewing Angle (Right/Left)	89/89 degree
Viewing Angle (Up/Down)	89/89 degree

Energy Saving & Efficiency

Backlight Off Mode	Yes
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Dynamic Backlight Control	Yes
Power Saving Modes	Yes

General Features

Audio Return Channel	Yes
Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Finish (Surface Color)	Black
HDMI™ InstaPort	Yes
Hotel Mode Menu	Yes
Start Up Sony Logo Display	Yes

Inputs and Outputs

AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	2 (Rear)
Audio Out	1 (Side / Hybrid w/ HP)
Component Video (Y/Pb/Pr) Input(s)	1 (Rear / Hybrid)
Composite Video Input(s)	2 (1 Rear / 1 Rear Hybrid w/ Component)
Digital Audio Output(s)	1 (Rear)
Ethernet Connection(s)	1 (Rear)
HDMI PC Input Format	640x480@60Hz 800x600@60Hz 1280x768@60Hz 1280x768Hz 1360x768Hz 1024x768@60Hz 1280x1024@60Hz 1920x1080@60Hz

HDMI™ Connection(s) (Total)	4 (Side)
HDMI™ PC Input	Yes
Headphone Output(s)	1 (Side / Hybrid w/ Audio Out)
MHL	Yes
RF Connection Input(s)	1 (Side)
RS-232C Input(s)	1 (Side / Stereo Mini Jack)
Subwoofer Out	1 (Side / Hybrid w/ HP and Audio Out)
USB 2.0	3 (Side)

Network Features

DLNA Content	MPEG1 / MPEG2 PS / MPEG2TS / AVCHD / MP4Part10 / MP4Part2 / AVI(XVID) / AVI(MotionJpeg) / MOV / WMV / MKV / WEBM / 3GPP / MP3 / WMA / LPCM / JPEG / MPO
Guide and Search	Yes
Internet Browser	Yes (Opera)
Net AD	Yes (depends on ad provider)

One-Flick entertainment	Yes
One-touch mirroring	Yes
Opera Apps (System)	Yes
Photo Share	Yes
Related Search	Yes
Screen mirroring	Yes
Seamless Streaming	Yes
Search	Yes
Skype™	Integrated
Social Viewing	Yes (Skype & Tweet)
Sony Entertainment Network	Yes
TV SideView™	Yes
TV Tweet	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4Ghz / 5Ghz (for Wi-Fi Direct / Screen mirroring: 2.4Ghz Only)
Wi-Fi Standard	a/b/g/n
Wireless LAN	Integrated
X2 Widget (System)	Yes

Power

Power Consumption (in Operation) max.	257W
Power Consumption (in Standby)	120V : 0.2W / 240V : 0.3W
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 Spacing Compatible	Yes
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Sensing Features

LightSensor™ Technology	Yes
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Service and Warranty Information

Limited Warranty Term	12 months
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TV System

Channel Coverage (Analog)	VHF: 2-13 / UHF: 14-69 / CATV: 1-135
Channel Coverage (Digital Cable)	CATV: 1-135
Channel Coverage (Digital Terrestrial)	VHF: 2-13 / UHF: 14-69
Color System	NTSC
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)
TV System (Analog)	M
TV System (Digital Cable)	Clear QAM

TV System (Digital Terrestrial)	ATSC				
Video					
Video Signal	3840x2160/24p 3840x2160/25p 3840x2160/30p 4096x2160/24p 3840x2160/60p (YCbCr4:2:0 8bit) 1080/24p (HDMI only) 1080/60i 1080/60p (HDMI / Component) 480/60i 480/60p 720/60p 1080/30p (HDMI only) 720/30p (HDMI only) 720/24p (HDMI only)	Picture Mode	Vivid Standard Custom Photo-Vivid Photo-Standard Photo-Original Photo-Custom Cinema1 Cinema2 Game-Standard Game-Original Graphics Sports Animation		
		Portable Game Mode	Fine Full Fine Normal Portable Game1 Portable Game2		
		Scene Optimized Energy Saving	Yes		
		Super-resolution for Game Mode	Yes		
		Video Processing	4K X-Reality PRO		
		Wide Mode	Full Normal Wide Zoom Zoom Caption Normal / Full1 / Full2 for PC		
Video Features		Weights and Measurements			
24p True Cinema™ Technology	Yes	Dimensions (Approx.)	TV only: 48 5/8 x 29 1/4 x 2 5/8(1 1/8) in (1232 x 741 x 66.3 mm) TV with stand: 48 5/8 x 31 x 11 1/4 in (1232 x 785 x 285 mm)		
3D Comb Filter	Yes	Packaging (Approx.)	Carton dimensions: 52 3/8 x 32 3/4 x 7 7/8 in (1329 x 829 x 198 mm) Carton weight: 70.5 lbs (32 kg)		
4:3 Default	Yes	Weight (Approx.)	TV only: 51.8 lbs (23.5 kg) TV with stand: 53.1 lbs (24.1 kg)		
Advanced Contrast Enhancer (ACE)	Yes	Accessories			
Auto Wide	Yes				
Blinking Type	Frame Blinking				
CineMotion® Reverse 3:2 Pull-down Technology	Yes				
Clear Mode	Yes				
Deep Color	Yes				
Face Area Detection	Yes (2K only)				
Intelligent MPEG Noise Reduction	Yes (2K only)				
Intelligent Picture Optimizer	Yes				
Live Color™ Technology	Yes				
Motionflow™ Technology	Motionflow XR 240				
MPEG Noise Reduction	Yes				
PhotoTV HD	Yes				
				Supplied Accessories	Touchpad Remote Control (RMF-YD003) Remote Control (RM-YD102) 3D Glasses x 2 (TDG-500P) Table Top Stand (separate, assembly required) Batteries x 2 (R03) AC Power Cord (Pigtail) IR Blaster Screws Operating Instructions Warranty Card
				Optional Accessories	
				Optional Accessories	MHL Cable (DLC-MC20) Wireless Subwoofer (SWF-BR100)

1. 3,840 x 2,160 pixels.

2. Simulated 4K image will vary based on source content.

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. Content subject to change and may require fees. Wireless connectivity requires 802.11 home network (802.11n recommended). Skype service subject to Skype's terms and conditions.

4. Anticipated service availability Fall 2014. Broadband internet connection required. Additional purchase and registration required; service not available in all areas. See us.playstation.com/PlayStationNow for details.

5. The Sony 4K Ultra HD Media Player with Video Unlimited 4K service is exclusively compatible with Sony 4K Ultra HD TVs. Fees may apply for Video Unlimited 4K service. Largest collection for home distribution as of 2/15/14. Download times will vary and may require several hours for completion.

6. Requires 3D content, 3D player and HDMI® cable (at least 10.2 Gbps) sold sep.

7. Requires devices connected to the same wireless home network.

8. Requires compatible Near Field Communication (NFC)-enabled Xperia™ smartphone. Certain formats are not supported. The video quality may be degraded due to environmental interference.

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