

# SONY

## XBR-70X850B

### 69.5" (diag) X850B 4K Ultra HD TV

Join the 4K revolution with four times more clarity than HD<sup>1</sup>. Everything you watch—sports, TV shows, movies—is upscaled for 4K Ultra HD viewing<sup>2</sup> 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 more<sup>3</sup>.



### Bullets

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- HD is upscaled to 4K Ultra HD<sup>1</sup>, <sup>2</sup>
- Future ready – supports next gen 4K players/services
- Netflix, now streaming 4K Ultra HD<sup>3</sup>
- More brilliant expanded color with TRILUMINOS display
- Social TV – follow tweets, Skype & watch TV all at once<sup>3</sup>
- Stream PS3® games directly to your TV<sup>4</sup>
- Wireless streaming - movies, music & apps<sup>3</sup>
- Quick 'One-flick' to home menu, online videos & services
- Your smartphone screen on TV w/ NFC screen mirroring<sup>8</sup>
- Life-like motion clarity with Motionflow™ XR 240
- Enjoy 3D with 2 pairs of glasses included<sup>6</sup>
- TV SideView app to control your TV and channel guide<sup>7</sup>
- See more details in your DSLR photos (8MP+) with 4K resolution<sup>1</sup>

### Features

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#### Four times clearer than HD

The 4K Ultra HD screen contains over 8 million individual pixels<sup>1</sup> 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 quality<sup>2</sup>. Even YouTube® clips and smartphone videos are enhanced with stunning results<sup>2</sup>. 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 home<sup>5</sup>. Choose to download new releases and classic films for rental or purchase<sup>3,5</sup>. 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 4K<sup>3</sup>. 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 TV<sup>4</sup>

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 begin<sup>4</sup>.

## 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 Unlimited<sup>3</sup>.

## 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 screen<sup>3</sup>.

## 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 own<sup>8</sup>.

## 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 shows<sup>7</sup>.

## Specifications

3D Features		Advanced Auto Volume		Sound Mode		
3D	Active		Yes		Standard	
3D Format Support	Yes (2K only)	Alternate Audio (Digital)	Yes		Cinema	
3D Super-resolution	Yes	Audio Out	Fixed / Variable		Sports	
3D Sync Transmitter Integrated	Yes	Auto Mute (on no signal)	Yes		Music	
Auto 3D Depth Adjustment	Yes	Clear Phase Speaker	Yes		Game	
Simulated 3D	Yes (2K only)	Digital Out Format	Dolby Digital, PCM		Compressed Audio	
Audio		Dolby®	Dolby Digital, Dolby Digital Plus, Dolby Pulse		Stereo System	
Audio Power Output	10W + 10W	Headphone/Speaker Link	Yes		MTS (AUTO SAP)	
Speaker Configuration	2ch, Two way speaker (Tweeter (30 mm) x 2, Woofer (40 x 100 mm) x 2)	Reflector	Yes		Convenience Features	
Speaker Position	Down Firing	Signal-to-Sound Architecture	Yes		Auto Photo Mode	Yes
Audio Features		S-Master	Yes		Auto Shut-off	Yes
5.1 Channel Audio Out	Yes	Sony Original Surround	S-Force Front Surround		BRAVIA® Sync™	Yes
5.1ch Through Out (Handycam)	Yes	Sound Booster	Yes		Channel Block (with password)	Analog & Digital
					Channel Jump	Yes
					Channel Surf	Yes
					Edit Channel Labels	Yes
					Info Banner	Yes
					Input Skip	Auto
					Label Inputs	Yes

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Multiple Language Display	English Spanish French
On/Off Timer	Yes
On-Screen Clock	Yes
On-Screen Display for External Input	Yes
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
<b>Customizing Capability</b>	
RS-232C Control	Yes for SonySTD
Illumination LED	Yes
<b>Design Features</b>	
Stand Design	2 tone (Silver / Black)
<b>Display Features</b>	
Backlight Type	LED
Dimming Type	Frame Dimming
Display Device	LCD
Triluminos Display	Yes
<b>Display</b>	
Aspect Ratio	16:9
Display Resolution	QFHD
Dynamic Contrast Ratio	Over 1 million
Screen Size (cm)	176.6 cm
Screen Size (measured diagonally)	70"(69.5")

Viewing Angle (Right/Left)	88/88 degree
Viewing Angle (Up/Down)	88/88 degree
<b>Energy Saving &amp; Efficiency</b>	
Backlight Off Mode	Yes
Dynamic Backlight Control	Yes
Power Saving Modes	Yes
<b>General Features</b>	
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
<b>Inputs and Outputs</b>	
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)
<b>Network Features</b>	

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
<b>Power</b>	
Power Consumption (in Operation) max.	305W
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
<b>Regulation and Standards Compliance</b>	
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

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Channel Coverage (Digital Cable)	CATV: 1-135	Intelligent MPEG Noise Reduction	Yes (2K only)	Packaging (Approx.)	Carton dimensions: 65 3/4 x 42 x 19 1/4 in (1670 x 1064 x 488 mm) Carton weight: 130 lbs (59 kg)
Channel Coverage (Digital Terrestrial)	VHF: 2-13 / UHF: 14-69	Intelligent Picture Optimizer	Yes		
Color System	NTSC	Live Color™ Technology	Yes	Weight (Approx.)	TV only: 94.8 lbs (43 kg) TV with stand: 97 lbs (44 kg)
Number of Tuners (Terrestrial/Cable)	1 (Digital / Analog)	Motionflow™ Technology	Motionflow XR 240		
TV System (Analog)	M	MPEG Noise Reduction	Yes	<b>Accessories</b>	
TV System (Digital Cable)	Clear QAM	PhotoTV HD	Yes	Supplied Accessories	Touchpad Remote Control (RMF-YD003) Remote Control (RM-YD102) 3D Glasses x 2 (TDG-BT400A) Table Top Stand (attached) Batteries x 2 (R03) AC Power Cord (Pigtail) IR Blaster Screws Operating Instructions Warranty Card
TV System (Digital Terrestrial)	ATSC	Picture Mode	Vivid Standard Custom Photo-Vivid Photo-Standard Photo-Original Photo-Custom Cinema1 Cinema2 Game-Standard Game-Original Graphics Sports Animation		
<b>Video</b>				Portable Game Mode	Fine Full Fine Normal Portable Game1 Portable Game2
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)	Scene Optimized Energy Saving	Yes		
		<b>Video Features</b>		Super-resolution for Game Mode	Yes
24p True Cinema™ Technology	Yes	Video Processing	4K X-Reality PRO		
3D Comb Filter	Yes	Wide Mode	Full Normal Wide Zoom Zoom Caption Normal / Full1 / Full2 for PC		
4:3 Default	Yes				
Advanced Contrast Enhancer (ACE)	Yes	<b>Weights and Measurements</b>			
Auto Wide	Yes	Dimensions (Approx.)	TV only: 62 x 37 x 3(1 5/16) in (1572 x 938 x 75.3 mm) TV with stand: 62 x 38 3/4 x 14 3/8 in (1572 x 983 x 364 mm)		
Blinking Type	Line Blinking				
CineMotion® Reverse 3:2 Pulldown Technology	Yes				
Clear Mode	Yes				
Deep Color	Yes				
Face Area Detection	Yes (2K only)				

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 802.11n 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](http://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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