



2013 Sony TV Comparison Chart

Every Sony TV is designed to give you a viewing experience that is incomparable to every other TV in its class. Compare features of the models below, along with the descriptions on the back, to help you decide which is right for your needs.

*Screen size measured diagonally: 70" class (69.5" diag.), 65" Class (64.5" diag.), 55" Class (54.6" diag.), 50" Class (49.5" diag.), 32" Class (31.5" diag.)

	Model & Size	X900A 65"/55"	X850A 65"/55"	W900A 55"	W850A 65"	W802A 55"/47"	W650A 32"	R550A 70"/60/50"	R520A 70"/60"	R450A 50"/40"	R453A 46"	R400A 32"
Picture Quality	Display Resolution	4K Ultra HD ¹	4K Ultra HD ¹	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	HD 720p
	Picture Engine	4K X-Reality™ PRO	4K X-Reality™ PRO	X-Reality™ PRO	X-Reality™ PRO	X-Reality™ PRO	X-Reality™ PRO	Clear Resolution Enhancer	Clear Resolution Enhancer	Clear Resolution Enhancer	Clear Resolution Enhancer	Clear Resolution Enhancer
	TRILUMINOS Display	✓	✓	✓	✓							
	LED Backlight	Dynamic Edge LED	Dynamic Edge LED	Dynamic Edge LED	Dynamic Edge LED	Dynamic Edge LED	Edge LED	Edge LED	Edge LED	Direct LED	Direct LED	Direct LED
	Motion Clarity	Motionflow™ XR 960	Motionflow™ XR 960	Motionflow™ XR 960	Motionflow™ XR 480	Motionflow™ XR 480	Motionflow™ XR 240	Motionflow™ XR 240	Motionflow™ XR 240	Motionflow™ XR 120	Motionflow™ XR 120	Motionflow™ XR 120
	3D ⁴	Passive 3D	Active 3D	Active 3D	Active 3D	Passive 3D		Passive 3D				
Usability	One-Touch Mirroring (NFC) ³	✓	✓	✓	✓	Optional						
	TV SideView™ Compatible	✓	✓	✓	✓	✓	✓					
	Skype® ² Video Calling	✓	✓	✓	✓	✓	✓					
	Wi-Fi® ² Built-in (Netflix®; Pandora®; YouTube®; HuluPlus™ & more)	✓	✓	✓	✓	✓	✓	✓	✓			
	Screen Mirroring (Miracast™) ⁸	✓	✓	✓	✓	✓	✓	✓	✓			
	Screen Mirroring (MHL) ⁷	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sound	Sound Enhancements	Magnetic Fluid (65W ⁶ Power)	Bass Reflex Speaker Cabinet	Long Duct Speaker Cabinet	Bass Reflex Speaker Cabinet	Bass Reflex Speaker Cabinet	Bass Reflex Speaker Cabinet					

How Sony makes everything you watch look better.

Sony combines innovative technologies to create our best picture ever for sports, movies, cable TV and Internet video.



Best Picture Quality Defined

- ✓ Clear motion and panning
- ✓ True black level control that reveals detail in the shadows
- ✓ Bright whites that don't blow out or flare around the edges
- ✓ Vibrant, lifelike colors
- ✓ Realistic skin tones
- ✓ Crisp, distraction-free clarity
- ✓ Optimized for home viewing. Many TVs are shown with maximum brightness in stores. Sony HDTVs come optimized for in-home viewing.

Picture Quality	4K Ultra HD ¹	Welcome to four times the clarity of regular HD. See more on TV than ever before with over 8 million pixels compared to about 2 million on HDTV. ¹
	4K X-Reality™ PRO Picture Engine	All of your existing TV programs and movies are upscaled to near 4K Ultra HD quality by the 4K X-Reality™ PRO picture engine. ⁶
	X-Reality™ PRO Picture Engine	This picture engine takes everything you watch—HD movies, sports, even YouTube™ clips and home movies—and optimizes it with unprecedented detail and astonishing color.
	TRILUMINOS Display	Unique to Sony, the TRILUMINOS Display has a wider range of color than conventional LCD displays, allowing you to see colors never before seen on TVs. Hard-to-reproduce reds, emerald greens and aqua blues are displayed beautifully, so landscapes and seascapes look more vivid, richer and intense. Faces look better, too, with natural skin tones.
	Clear Resolution Enhancer	Fine details and textures appear in whatever you're watching.
	Dynamic Edge LED	Dynamic Edge LED backlighting with local dimming delivers pitch-black night scenes and illuminates bright scenes to perfect a natural look. Rather than illuminating the entire screen, contrast is boosted in just the right areas for a more realistic picture.
	Edge LED	Powerful yet thin LEDs deliver a radically brighter picture than conventional LCD backlighting.
Usability	Motionflow™ XR	Sports can be seen as clear as they would appear from the sidelines. Motionflow™ XR takes motion clarity beyond refresh rates (measured in Hz) to double or quadruple the motion effect. The result is a clear picture during slow panning motions or the fastest action.
	TV SideView™ Compatible	Control the TV or browse the channel guide with your smartphone or tablet (Android or iOS), all without interfering with what you're watching on the TV. Learn more about the show you're watching right now and search what's available to watch on TV, the internet and apps like Netflix. ⁹
	Wi-Fi ^{®2} Built-in (Netflix [®] , Pandora [®] , YouTube [®] , HuluPlus™ & more)	Go way beyond cable with access to Full HD 1080p entertainment, 3D content ⁴ and made-for-TV apps like Netflix [®] , Pandora [®] , YouTube [™] , Facebook [®] and more. ²
Sound	Screen Mirroring (MHL ⁷ , Miracast ^{™8} , NFC ³)	Sony is helping you add value to the entertainment you already own. Using a Mobile High Definition Link (MHL) ⁷ , Miracast ^{™8} or Near Field Communication ³ , you'll instantly be able to view exactly what's on your smartphone's screen on the TV. Movies, music and apps are automatically scaled to fit the larger TV screen.
	Magnetic Fluid Speaker	Your TV's loudspeakers have evolved. Unique to Sony, Magnetic Fluid Speaker technology allows a thinner, more efficient loudspeaker that produces a faithful reproduction of high-fidelity sound with 65 watts of total power. ⁵
	Speaker Cabinets	As TVs get smaller, the challenge of producing robust sound increases. Sony Bass Reflex and Long Duct speaker cabinets are capable of delivering extended low bass frequencies and clear, sparkling high frequencies for full-range sound. The longer the speaker cabinet, the fuller and richer the sound can be.

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¹Actual panel resolution of the XBR-X900A and XBR-X850A TV is 3840 x 2160 pixels (in 16:9 aspect ratio). ²Broadband speed of at least 2.5 Mbps recommended (10 Mbps for HD). Content subject to change and may require fees. Wireless connectivity requires 802.11 home network (802.11n recommended) ³Requires compatible Near Field Communication (NFC)-enabled Xperia™ smartphone. Certain formats are not supported. ⁴Requires 3D content, HDMI[®] cable (at least 10.2 Gbps) and 3D active glasses sold separately. ⁵65 watts total power (20+20+12.5+12.5). ⁶Simulated 4K image will vary based on source content. ⁷Requires Mobile High Definition Link-compatible smartphone to be connected to the TV with a Mobile High Definition Link cable, sold separately. ⁸Requires smartphone with Wi-Fi Certified Miracast™ technology. Certain formats are not supported. ⁹Requires active internet connection and devices connected to the same wireless home network. Screen image simulated. © 2013 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, X-Reality, Motionflow, Sony Tablet, and the Sony make.believe logos are trademarks of Sony. Android is a trademarks of Google, Inc. HDMI is a trademark of HDMI Licensing LLC. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice.