

2012 HDTV Comparison Chart

Every Sony HDTV is designed to give you the best picture quality.

This chart, along with the descriptions on the back, will help you choose which is right for your needs.

*Screen sizes measured diagonally: 65" Class (64.5" diag.), 55" Class (54.6" diag.), 32" Class (31.5" diag.)

	Model & Size	HX929 65*/55*	HX850 55*/46	HX729 65*	HX750 55*/46	EX640 55*/46/40	BX450 46/40	BX330 32*
Picture Quality	Display Resolution	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	HD 720p
	Picture Engine	X-Reality™ PRO	X-Reality™ PRO	X-Reality™ PRO	X-Reality™	Clear Resolution Enhancer	Digital Noise Reduction	Digital Noise Reduction
	LED Backlight	Intelligent Peak	Dynamic Edge	Dynamic Edge	Dynamic Edge	Edge		
	Motion Clarity	Motionflow™ XR 960	Motionflow™ XR 960	Motionflow™ XR 480	Motionflow™ XR 480	Motionflow™ XR 240		
	3D in Full HD 1080p ¹	✓	✓	✓	✓			
	Glare Reduction	OptiContrast™ Panel	OptiContrast™ Panel					
Connectivity	Wi-Fi® ²	Wi-Fi® Built in	Wi-Fi® Built in	Wi-Fi® Built in	Wi-Fi® Built in	Wi-Fi® Adaptor Included		
	Sony Entertainment Network ² (Netflix®, Pandora®, YouTube™, HuluPlus™ & more)	✓	✓	✓	✓	✓		
	Media Remote™ App ³ (iPhone®, iPad®, iPod touch®, Android™ phone, Sony Tablet™)	✓	✓	✓	✓			
	Skype® ²	✓	✓	✓	✓			
	Wi-Fi® Direct™ ⁴	✓	✓		✓			
Inputs/Outputs	Frameless Corning® Gorilla® Glass	✓	✓					
	HDMI® Input	4	4	4	4	4	2	2
	USB Input	2	2	2	2	2	1	1



¹Requires 3D content, HDMI® cable (at least 10.2 Gbps) and 3D active glasses sold separately. 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). Skype requires CMU-BR100 camera sold separately. Subject to Skype's terms and conditions. ³Requires devices connected to the same wireless home network. ⁴Streaming content, copy-protected content and certain formats are not supported.
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How Sony makes everything you watch look better.

HDTVs allow you to do more than ever, and the best way to enjoy it all is with amazing picture quality. Sony combines innovative technologies to create our best picture ever for sports, movies, cable and internet video.



Without Exclusive Sony Technologies

With Exclusive Sony Technologies

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	X-Reality™ PRO Picture Engine	Pro-grade picture quality. This two-chip picture engine takes everything you watch—HD movies, sports, even YouTube™ clips and home movies—and optimizes it with unprecedented detail and astonishing color. You'll think you're looking out a window.
	X-Reality™ Picture Engine	Skin tones, landscape foliage and countless details come alive as our processor analyzes and improves each scene of everything you watch, delivering optimal textures, outlines, contrast and color.
	Clear Resolution Enhancer	Fine details and textures appear in whatever you're watching.
	Intelligent Peak LED™ Backlight	Top-of-the-line LED technology—full-array local dimming—adjusts the bright and dark levels in each area of the screen for our most precise control of contrast and color ever.
	Dynamic Edge LED Backlight	It's all about perfecting a natural look. Rather than illuminating the entire screen, this technology boosts contrast in just the right spots for a more realistic picture.
	Edge LED Backlight	Powerful yet thin LEDs deliver a radically brighter picture than conventional LCD backlighting, along with outstanding contrast, rich colors and enhanced dark-scene detail.
	Motionflow™ XR	Sports can be seen as clear as they would from the sidelines. Motionflow™ XR takes motion clarity beyond refresh rates (measured in Hz) to double or quadruple the motion effect. The higher the number, the clearer and more lifelike the picture.
	3D in Full HD 1080p	Brace yourself for phenomenal 3D that feels like you're standing on the 50-yard line. ¹
	OptiContrast™	OptiContrast™ panel works with Corning® Gorilla® Glass to minimize unwanted light reflections and enhances overall picture quality in 2D and 3D.
Connectivity	Wi-Fi®	Instantly stream online movies, photos, music and videos to your TV without wires. ² Our HX series have Wi-Fi® built in, while our EX model uses a UWA-BR100 Wi-Fi® adapter (included).
	Sony Entertainment Network	Go way beyond cable with access to Full HD 1080p entertainment, 3D content ¹ and made-for-TV apps like Netflix®, Pandora®, YouTube®, Facebook® and more. ²
	Media Remote™ App	Turn your smartphone or Tablet into a versatile remote control with a full QWERTY keyboard. ³ This free app can be downloaded from the iTunes® app store or Google Play.™
	Skype on Your TV®	Bring your family and friends closer than ever with life-sized video calls on your Sony HDTV. ²
Design	Wi-Fi® Direct™	Friends can throw personal content to your TV without connecting to your home network. Wi-Fi Direct™ bypasses the Wi-Fi® access point/router to easily connect directly to your TV. ⁴
	Corning® Gorilla® Glass	Lightweight, incredibly durable frameless design.