

### *Key Features*

- Full HD 1080p with 3D<sup>1</sup>
- Intelligent Dynamic LED Backlight w/ full array local dimming
- Motionflow™ PRO 240Hz Technology for Smooth Motion
- BRAVIA Engine™ 3 w/ Intelligent Image Enhancer
- Monolithic Design with OptiContrast Panel
- BRAVIA® Internet Video<sup>2</sup>
- Wi-Fi® Adapter Ready<sup>3</sup>
- USB port for photos, music & video playback
- DLNA® support for streaming photos, videos and music<sup>4</sup>
- Instantly convert 2D personal content into 3D w/ one button<sup>7</sup>



### *Key Technologies*

**Full HD 1080p Resolution** Experience Full HD 1080p picture quality, the highest at-home resolution, and take full advantage of HD sources like a Blu-ray Disc™ Player or PlayStation®3 gaming console via the 16:9 wide screen panel (1920 x 1080).<sup>4</sup>

**3D in Full HD** Enjoy an immersive, realistic movie and gaming experience in Full HD 1080p using Sony's 3D accessories (3D Sync Transmitter and 3D Active Glasses, both sold separately) and connecting a compatible 3D Blu-ray Disc™ Player or PlayStation®3 gaming console.<sup>1</sup>

Convert standard 2D personal content into 3D with the push of a button on your remote.<sup>7</sup>

**Intelligent Dynamic LED Backlight** Enjoy incredibly high contrast levels for true blacks and bright whites plus sharp, vibrant colors in every frame with full array local dimming.

**Motionflow™ PRO 240Hz Technology** Experience Sony's highest level of smooth motion detail and clarity with Motionflow™ PRO 240Hz technology deliver a crisp, fluid and realistic viewing experience during fast-action scenes.

**BRAVIA Engine® 3** Enjoy Sony's most advanced processing system for superior image detail, exceptionally vibrant, life-like images, reduced noise and optimized contrast and color with the BRAVIA Engine™ 3 fully digital processor.

**Intelligent Image Enhancer** Experience exceptional color contrast and picture accuracy in every frame with the Intelligent Image Enhancer.

**Monolithic Design w/ OptiContrast Panel** Enjoy a vanishing edge Monolithic design when it is off, plus improved picture accuracy and deeper blacks with the OptiContrast panel technology when you are watching.

# XBR-52HX909

# 52" BRAVIA® HX909 LED Backlit LCD HDTV w/ 3D

## Features

### General

RS-232C Control: Yes  
 Closed Captions (CC): Analog, Digital  
 Illuminated Sony Logo: Yes  
 Finish (Surface Color): Black  
 XMB: Yes  
 Audio Return Channel: Yes  
 HDMI™ InstaPort: Yes

### Display

Backlight Type: Intelligent Dynamic LED  
 Display Device: LCD  
 OptiContrast Panel: Yes

### Video

Video Processing: BRAVIA Engine 3™ Technology  
 CineMotion® Reverse 3:2 Pull-down Technology: Yes  
 Wide Mode: Normal, Zoom, Wide Zoom, Full (Full1-2 for PC), H Stretch  
 Deep Color: Yes  
 3D Comb Filter: Yes  
 PhotoTV HD: Yes  
 Auto Wide: Yes  
 4:3 Default: Yes  
 24p True Cinema™ Technology: Yes  
 Picture Mode: Vivid, Standard, Cinema, Game-Standard, Game-Original, Graphics, Sports, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom  
 Advanced Contrast Enhancer (ACE): Yes  
 Motionflow™ PRO Technology: 240Hz  
 Cinema Mode: Yes  
 Live Color™ Technology: Yes  
 3D: Ready  
 Intelligent Image Enhancer: Yes  
 Intelligent MPEG Noise Reduction: Yes

### Audio

Auto SAP: Yes  
 Auto Mute (on no signal): Yes  
 Steady Sound® Automatic Volume Control: Yes  
 Audio Out: Variable/Fixed  
 Stereo System: MTS  
 Dolby®: Dolby® Digital  
 Alternate Audio (Digital): yes  
 Surround Effect: Cinema, Music, Live Sports, Game  
 5.1 Channel Audio Out: Yes  
 Sound Mode: Dynamic, Standard, Clear Voice, Custom  
 5.1ch Through Out (Handycam): Yes  
 Sound Enhancer: Yes  
 S-Master: Yes  
 Clear Voice: Yes  
 Invisible Speaker (w/Sound Elevation): Yes

### Convenience

Channel Jump: Yes  
 Multiple Language Display: English, French, Spanish  
 Info Banner: TV Guide on Screen, PSIP, XDS  
 Sleep Timer: Yes  
 Input Skip: Automatic  
 Channel Surf: Yes  
 Channel Block (with password): Yes  
 Edit Channel Labels: Yes  
 Label Inputs: Yes  
 On/Off Timer: Yes  
 USB Application(s): Photo Viewer (jpeg), Photo Viewer (RAW), Music Player (mp3), Video Player (AVCHD), Video Player (AVC), Video Player (MPEG4)  
 Theatre Mode (Theatre Button): Yes  
 Show/Hide Channels: Yes  
 Auto Shut-off: Yes  
 BRAVIA® Sync™ : Yes  
 Parental Control: Yes  
 BRAVIA® Sync™ Menu Button: Yes (on Remote Control)  
 On-Screen Display for External Input: Yes

PIP (Picture in Picture): PC Input/TV Channel&CVBS  
 Channel Labels: Yes  
 Control for HDMI™ (HDMI™ CEC): Yes  
 Auto Photo Mode: via HDMI, via DLNA, via USB  
 On-Screen Clock: Yes  
 Picture Adjustments Lock: Yes  
 White Balance: RGB Gain/Bias  
 Auto Picture Setting w/HDMI™ : Cinema, Sport, Music, Photo, Graphics, Game  
 Scene Select: Auto, Cinema, Sports, Photo, Music, Game, Graphics, General  
 Theatre Mode with Cinema Surround: Yes  
 TV Guide On-Screen: Yes  
 Stand Tilt: Yes  
 Stand Tilt Range: 2 position 0°/Back6°  
 On-Screen Operating Instructions: Yes  
 Favorites: Yes  
 Ambient Sensor: Yes  
 Picture Frame Mode: Yes  
 Quick Start: Yes  
 Stand Swivel: Yes  
 Stand Swivel Range: Left 20°/Right 20°  
 Start Up Sony Logo Display: Yes  
 USB Player: Yes  
 Wireless LAN: Ready  
 Upward Style: Yes  
 Skin Naturalizer: Yes

### Network

DLNA: Yes  
 BRAVIA® Internet Video: Yes  
 Photo MAP: Yes

## Specifications

### Display

Viewing Angle (Right/Left): 178(89/89)  
 Viewing Angle (Up/Down): 178(89/89)  
 Dynamic Contrast Ratio: Infinite<sup>g</sup>  
 Screen Size (measured diagonally): 52"  
 Display Resolution: Full HD 1080(1920x1080)  
 Aspect Ratio: 16:9

### TV System

Tuner (Cable): Clear QAM  
 Tuner (Terrestrial): ATSC™ / NTSC  
 Channel Coverage: VHF: 2-13ch  
 UHF: 14-69ch  
 CATV (analog): 1-135ch  
 CATV (digital) : 1-135ch

TV System (Analog): M  
 Number of Tuners (Digital): 1(Hybrid)  
 Color System: NTSC

### Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/24p (HDMI™ ONLY), 1080/60i, 720/60p, 480/60p, 480/60i

### Audio

Audio Power Output: 20W (10W x 2)  
 Speakers (Total): 2  
 Speaker Configuration: 2

### Inputs and Outputs

Component Video (Y/Pb/Pr ) Input(s): 2 (1 Rear / 1 Rear (Composite input common use))  
 Composite Video Input(s): 2 ( 1 Rear (Component input common use)/ 1 Side)  
 Digital Audio Output(s): Optical Digital Output - 1 (Rear)  
 RF Connection Input(s): 1 (Rear)  
 Analog Audio Input(s) (Total): 4 (1 Side / 3 Rear)  
 Audio Out: 1 (Rear)  
 HDMI™ Connection(s) (Total): 4(2 Side/2 Rear)  
 PC In (D-Sub) + Audio In (Stereo Mini): 1 (Rear)  
 USB 2.0: 1 (Side)  
 HDMI™ PC Input: Yes (see owner's manual for supported timings)

AC Power Input: 1 (Rear)  
 RS-232C Input(s): 1 (Rear)  
 Ethernet Connection(s): 1 (Rear)

### Power

Power Consumption (in Standby): 0.12W  
 Power Requirements (voltage): AC 120V for UL,cUL AC110-240V for other  
 Power Requirements (frequency): 60Hz for UL,cUL 50/60Hz for other  
 Power Consumption (in Operation) max.: 210W

### Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes  
 VESA® Hole Pitch: 300x300 M6

### Service and Warranty Information

Limited Warranty Term: 18 Months Labor / 18 Months Parts  
 Online Instruction Manual (Reference Book): Yes

### Energy Saving & Efficiency

LightSensor™ Technology: Yes  
 Power Saving Modes: Yes  
 Energy Star® compliant: Yes  
 Eco Settings: Yes  
 Dynamic Backlight Control: Yes  
 Backlight Off Mode: Yes  
 Idle TV Standby: Yes  
 Energy Saving Switch: Yes

### Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)  
**Dimensions**

Weight: 94.5 lbs. (42.9kg) with pedestal; 81.3 lbs. (36.9kg) without pedestal  
 Measurements: 49 3/4 x 31 7/8 x 15 3/4" (1263 x 807 x 400mm) with pedestal; 49 3/4 x 30 5/8 x 2 3/4" (1263 x 775 x 67mm) without pedestal

### Supplied Accessories

Remote Control (RM-YD038)  
 Batteries (Type AAA x2)  
 AC Power Cord  
 Table Top Stand (separate, pre-assembled)

### Optional Accessories

Wallmount Bracket (SU-WL500)  
 3D Sync Transmitter (TMR-BR100)  
 3D Active Glasses (TDG-BR100, TDG-BR50/L, TDG-BR50/P)  
 Wi-Fi Adapter (UWA-BR100)  
 UPC Code: 027242787094

- 3D viewing requires a Sony 3D Sync Transmitter and 3D Active Glasses (Each sold separately).
- Broadband internet connection speed of at least 2.5 Mbps recommended (10 Mbps for HD content). Video quality and picture size vary and are depended upon broadband speed and delivery by content provider. Select content provided subject to change. Premium content may require additional fees, a subscription and/or PC registration. Wireless connectivity requires UWA-BR100 USB adapter or Ethernet cable (sold separately), a home network with an 802.11 access point (802.11n recommended).
- Requires home network with an 802.11 access point (802.11n recommended) and internet connection. USB adapter (UWA-BR100) required, sold separately.
- HDMI cable required, sold separately
- Requires UWA-BR100 USB adapter (sold separately), a home network with an 802.11 access point (802.11n recommended), internet access and content stored on a DLNA compliant PC or server.
- Dynamic contrast ratio compares the luminance of a 100 IRE (white) signal with that of a 0 IRE (black) signal. When the TV receives a 0 IRE signal the backlight is turned off and the luminance measurement is 0.00 cd/m<sup>2</sup>. The resulting dynamic contrast ratio is infinite.
- 2D to 3D conversion converts 2D content to 3D. Quality may vary depending upon the quality of the original 2D source content.

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