

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- TRILUMINOS® RGB Dynamic LED Backlight Display
- BRAVIA Engine™ 2 PRO fully digital video processor
- Motionflow™ 120Hz PRO technology
- 10-bit processor / 10-bit panel
- Live Color Creation™ technology
- x.v.Color™ technology²
- Deep Color
- Dynamic Video Noise Reduction adaptive technology
- 24p True Cinema™ capable
- DMe^x™ capable
- DIGITAL MEDIA PORT
- BRAVIA® Sync capable



DIGITAL MEDIA PORT



Key Technologies

16:9 Full HD 1080p Resolution Panel 16:9 Full HD 1080p resolution panel (1920 x 1080) accepts any HDTV signal and renders it with optimum resolution.

TRILUMINOS® RGB Dynamic LED Backlight TRILUMINOS® RGB LED backlight technology aligns individual clusters of red, green, and blue LEDs to produce a significantly higher purity of primary colors than single white LED backlights, resulting in more accurate color reproduction. This clustered arrangement also allows the XBR®8 to adjust the brightness of the backlight in units of small blocks, so it can display deep blacks in one portion of the screen and bright whites in another, producing images with enhanced depth, three-dimensionality and exceptionally accurate shadow detail. And, because it uses LEDs rather than the fluorescent tubes found in many HDTVs, the TRILUMINOS® RGB Dynamic LED backlight also promises exceptionally long life.

BRAVIA Engine™ 2 PRO BRAVIA Engine™ 2 PRO is Sony's most advanced video processing system, utilizing the latest generation of Digital Reality Creation technology to render a supremely sharp, crystal clear image from any video resolution.

Motionflow™ 120Hz PRO technology Motionflow™ 120Hz PRO technology couples a high 120Hz frame rate with sequential scanning technology, which controls the backlight to horizontally divide frames and reduce visual flickering. The combination of high frame rate and sequential scanning significantly reduces source image blur and judder in film sources, HD content, broadcast movies, and primetime programming, and helps create smoother, more fluid motion for a natural and realistic viewing experience.

10-bit processor / 10-bit panel: The BRAVIA® XBR®8-Series HDTV combines a 10-bit processor and 10-bit panel to create and display billions of colors. Using both a 10-bit processor and 10-bit panel allows for 64 times the level of color expression in 8-bit panels, resulting in smoother color transitions and helping to avoid giving the picture a "paint-by-numbers" look.

Features

General

RS-232C Control: Yes
 Closed Caption Button: Yes
 Closed Captions (CC): Yes
 On-Screen Display: Enhanced GUI + XMB
 Auto CC on Mute: Yes
 Illuminated Sony Logo: Yes
 Touch Sensor: Yes
 BRAVIA® Link Module support: Yes

Display

Backlight Type: LED with Local dimming

Video

Video Processing: Bravia Engine 2PRO™ Technology
 CineMotion® Reverse 3:2 Pulldown Technology: Yes
 Wide Mode: Wide Zoom, Normal, Full, H Stretch (HD), Zoom
 Display Technology: LCD (178° wide viewing angle LCD display panels)
 Deep Color: Yes
 3D Comb Filter: Yes
 PhotoTV HD: Yes
 MPEG Noise Reduction: Yes
 Live Color Creation™ Technology: Yes
 Auto Wide: Yes
 4:3 Default: Yes
 24p True Cinema™ Technology: Yes
 x.v.Color™ Technology: Yes
 Picture Mode: Vivid, Standard, Cinema, Custom; Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
 Advanced Contrast Enhancer (ACE): Yes
 Image Blur Reduction: Yes
 Game Text Mode: Yes
 Motionflow™ PRO: 120Hz

Audio

Digital Amplifier: Yes
 Simulated Surround: Yes
 Voice Zoom: Yes
 Auto SAP: Yes
 Auto Mute (on no signal): Yes
 Steady Sound® Automatic Volume Control: Yes
 Audio Out: Yes
 Sony Original Surround: S-Force® Front
 Stereo System: MTS
 Dolby®: Dolby® Digital
 Alternate Audio (Digital): Yes
 Sound Booster: Yes
 5.1 Channel Audio Out: Yes
 Sound Mode: Dynamic, Standard, Clear Voice

Convenience

Channel Jump: Yes
 Favorite Channel: Yes
 Program Guide Access: Yes
 Multiple Language Display: English, Spanish, French
 Info Banner: Yes
 Sleep Timer: Yes
 Input Skip: Yes (Auto)
 Channel Surf: Yes
 Channel Block (with password): Yes
 Edit Channel Labels: Yes
 Label Inputs: Yes
 ID-1 Detection: Yes
 Initial Setup: Yes

On/Off Timer: Yes
 PAP (Picture & Picture): Yes
 Swap Sound: Yes
 USB Application(s): Music Player (mp3), Photo Viewer (jpeg)
 Theatre Mode (Theatre Button): Yes
 Show/Hide Channels: Yes
 PAP (Fixed or Variable): Fixed
 BRAVIA® Sync™ : Yes
 Parental Control: Yes
 BRAVIA® Sync™ Menu Button: Yes
 Freeze: Yes
 On-Screen Display for External Input: Yes
 PIP (Picture in Picture): Yes
 Channel Labels: Yes
 On-Screen Clock: Yes
 TV Guide On-Screen: Yes

Network

DLNA: Yes

Specifications

General

Television Type: Flat Panel LCD HDTV

Display

Viewing Angle (Right/Left): 178° (89/89)
 Viewing Angle (Up/Down): 178° (89/89)
 Dynamic Contrast Ratio: Over 1,000,000:1
 Screen Size (measured diagonally): 54.5"
 Native Resolution: 1920x1080
 Display Resolution: 1920 x 1080p (Full HD)
 Panel Bit: 10-bit
 Aspect Ratio: 16:9
 Color Range (u'v'): 122%
 Color Range (xy): 105%

TV System

Tuner (Cable): QAM
 Tuner (Terrestrial): ATSC, NTSC
 TV System (Analog): NTSC
 Number of Tuners (Analog): 1
 Number of Tuners (Digital): 1
 TV System (Digital): ATSC

Video

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

Audio

Audio Power Output: 10 W + 10 W, 12 W + 12 W (Woofer)
 Speakers (Total): 8

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 2 (Rear)
 Composite Video Input(s): 3 (1 Side/2 Rear)
 Digital Audio Output(s): Optical Digital Output - 1 (Rear)
 RF Connection Input(s): 1 (Rear)
 S-Video Input(s): 1 (Rear)
 Analog Audio Input(s) (Total): 6 (1 Side/5 Rear)
 Audio Out: 1 (Rear)
 HDMI™ Connection(s) (Total): 4 (1 Side/3 Rear)
 PC In (D-Sub) + Audio In (Stereo Mini): 1 (Rear)
 USB 2.0: 1 (Side)
 HDMI™ PC Input: Yes
 S-Video Detection: Yes
 AC Power Input: 1 (Rear)

Digital Media Port: 1 (Rear)
 RS-232C Input(s): Yes
 Ethernet Connection(s): 1 (Rear)
 Analog Audio Input(s) for HDMI™ : Yes

Power

Power Consumption (in Standby): 0.3W
 Power Requirements (voltage): AC120-240V
 Power Consumption (in Operation) max.: 480W

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes
 VESA® Hole Pitch: 400(W) x 300(H); M6 screw, 16mm length

Service and Warranty Information

Limited Warranty Term: 18 Months Parts / 18 Months Labor

Energy Saving & Efficiency

LightSensor™ Technology: Yes
 Power Saving Modes: Yes
 Energy Star® compliant: Yes
 PC Power Management: Yes

Dimensions

Weight: 114.8 lbs. (52.1kg) with pedestal; 101.6 lbs. (46.1kg) without pedestal
 Measurements: 58.625 x 33.75 x 14.125 in (1486 x 855 x 356mm) with pedestal; 58.625 x 31.625 x 5.875 in (1486 x 803 x 147mm) without pedestal

Supplied Accessories

RM-YD024 Remote Control
 2 x AA
 AC Power Cord
 Operating Instructions
 Quick Setup Guide
 Warranty Card
 Table Top Stand (attached)

Optional Accessories

SU-WL500 Wallmount Bracket
 CRU-55SG11/R RubyColor variation Bezel/SP Grill
 CRU-55SG11/S Sterling Color variation Bezel/SP Grill
 CRU-55SG11/T Bronze Color variation Bezel/SP Grill
 CRU-55SG11/N Platinum Color variation Bezel/SP Grill

Color: Piano Black
 UPC Code: 027242739055

1. Requires x.v.Color™ capable video source.
2. Broadband internet connection speed of at least 2.5 Mbps recommended; 10 Mbps required for HD content. Video quality and picture size varies and is dependent on broadband speed and delivery by content provider. Content subject to change.
3. Media streaming requires a PC with Microsoft Windows XP, SP2 or later or DLNA-compliant media server. Home network required and sold separately.
4. Special TV settings are required. Further details are available in the BRAVIA® TV instruction manual.
5. BRAVIA Sync works with select Sony HDTVs and home theater products.

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