

### Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Dynamic Contrast Ratio: 30,000:1
- BRAVIA Engine™ 2 fully digital video processor
- 6 HD Inputs (HDMI x3/ Component x2/ PC x1)<sup>1</sup>
- BRAVIA® Link compatibility
- BRAVIA® Sync capable<sup>2</sup>
- 24p True Cinema™ capable
- ACE (Advanced Contrast Enhancer)
- Light Sensor™ technology
- Favorites Menu
- VESA® compatible hole spacing
- ATSC™ /NTSC tuner with QAM<sup>4</sup>
- Exceeds ENERGY STAR® 3.0 requirements

### Key Technologies

**16:9 Full HD 1080p Resolution Panel (1920x1080)** 16:9 Full HD 1080p resolution panel (1920x1080) accepts any HDTV signal and renders it with optimum resolution, so you can take full advantage of Blu-ray Disc™ players and Sony® PLAYSTATION®<sup>3</sup> entertainment systems that can deliver 1080p content.

**Dynamic contrast (30,000:1)** Advanced Contrast Enhancer (ACE) creates a dynamic contrast level by working in real time to produce deep blacks in darker scenes, as well as fine details in shadows and other dark areas of the picture for a difference you can truly see.

**BRAVIA Engine™ 2 fully digital video processor** The BRAVIA Engine 2 fully digital video processor uses a collection of unique Sony technologies to significantly reduce noise, enhance overall image detail, and optimize contrast so every scene produces sharp, vibrant, life-like images and color.

**HDMI™ connection x 3 (1080/60p capable)** Get versatile HDMI connection options with three HDMI inputs (up to 1080/60p input capable)<sup>1</sup>. Connect a Sony® PLAYSTATION® 3 entertainment system, Blu-ray Disc™ player, or any other HDMI-capable equipment and get uncompressed digital video and multi-channel digital audio on a single cable.

**HD Component x 2 (1080/60p capable)** Two YPbPr Component inputs (1080/60p capable) provide added HD-capable connectivity, and a PC input<sup>3</sup> (HD-15 pin) offers the added versatility to use your HDTV as a computer monitor.

**BRAVIA® Link compatibility** BRAVIA Link compatibility expands your HDTV's capabilities by letting you connect optional BRAVIA Link modules, including the BRAVIA DVD Link, BRAVIA Wireless Link, and BRAVIA Input Link (all sold separately).

**BRAVIA® Sync™ capable** BRAVIA Sync capability combines the one-touch access and control functionality of BRAVIA Theatre Sync™ with the ability to control CEC-enabled Sony® Handycam® camcorders and Cyber-shot® digital still cameras using the TV's remote and an on-screen display via HDMI connector<sup>1, 2</sup>.

**24p True Cinema™** 24p True Cinema support provides a direct connection to 24p video sources, avoiding conversions and allowing users to enjoy films at their intended 24 fps (frames per second) cinematic picture quality when using a 24p-capable output device, such as a Blu-ray Disc™ player or Sony® PLAYSTATION® 3 entertainment system.



Features

General

Closed Captions (CC): Analog, Digital  
 On-Screen Display: Traditional  
 Finish (Surface Color): Piano Black  
 BRAVIA® Link Module support: DMX-DVD; DMX-WL1; DMX-SW1

Display

Backlight Type: CCFL  
 Display Device: LCD

Video

Video Processing: BRAVIA Engine 2™ Technology  
 CineMotion® Reverse 3:2 Pulldown Technology: Yes  
 Game Mode: Yes  
 Wide Mode: Full, Normal, Wide Zoom, Zoom, Full Pixel  
 3D Comb Filter: Yes  
 Auto Wide: Yes  
 4:3 Default: Yes  
 24p True Cinema™ Technology: Yes  
 Picture Mode: Vivid, Standard, Cinema, Custom  
 Advanced Contrast Enhancer (ACE): Yes

Audio

Digital Amplifier: Standard  
 Auto SAP: Yes  
 Auto Mute (on no signal): Yes  
 Steady Sound® Automatic Volume Control: Yes  
 Audio Out: Fixed  
 Stereo System: MTS  
 Dolby®: Dolby® Digital (for broadcasting)  
 Alternate Audio (Digital): Yes  
 SRS®: SRS® TruSurround XT®  
 Sound Mode: Clear Voice, Dynamic, Custom, Standard

Convenience

Channel Jump: Yes  
 Favorite Channel: Standard  
 Multiple Language Display: English, Spanish, French  
 Info Banner: PSIP / XDS  
 Sleep Timer: Yes  
 Input Skip: Manual  
 Channel Surf: Yes  
 Channel Block (with password): Yes  
 Edit Channel Labels: Yes  
 Label Inputs: Yes  
 ID-1 Detection: Yes  
 On/Off Timer: Yes  
 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)  
 Channel Labels: Yes  
 On-Screen Clock: Yes  
 Picture Adjustments Lock: Yes  
 White Balance: RGB Gain/Bias  
 Start Up BRAVIA® Logo Display: Yes  
 Favorites Menu: Graphic

Specifications

Display

Viewing Angle (Right/Left): 178 (89/89)

Viewing Angle (Up/Down): 178 (89/89)  
 On-screen Contrast Ratio: 3,000:1 (typ)  
 Dynamic Contrast Ratio: 30,000:1 (typ)  
 Screen Size (measured diagonally): 46"  
 Native Resolution: 1920 x 1080  
 Display Resolution: 1920 x 1080p (Full HD)  
 Panel Bit: 8-bit  
 Aspect Ratio: 16:9  
 Color Range (u'v'): 90 % of NTSC  
 Color Range (xy): 72% of NTSC

TV System

Tuner (Cable): Clear QAM  
 Tuner (Terrestrial): ATSC™ / NTSC  
 Channel Coverage: VHF: 2-13 UHF: 14-69 CATV (analog): 1-135 CATV (digital) : 1-135  
 TV System (Analog): M  
 Number of Tuners (Digital): 1(Hybrid)  
 TV System (Digital): ATSC  
 Color System: NTSC

Video

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

Audio

Audio Power Output: 20 W (10 W x 2)  
 Speakers (Total): 2  
 Speaker Configuration: 2.0

Inputs and Outputs

Component Video (Y/Pb/Pr ) Input(s): 2 (Rear) (1 fixed, 1 selectable)  
 Composite Video Input(s): 2 (1 Side, 1 Rear (selectable))  
 Digital Audio Output(s): Optical Digital Output - 1 (Rear)  
 RF Connection Input(s): 1 (Rear)  
 S-Video Input(s): 1 (Side)  
 Analog Audio Input(s) (Total): 5 (2 Side, 3 Rear)  
 Audio Out: 1 (Rear)  
 HDMI™ Connection(s) (Total): 3 (2 Side, 1 Rear)  
 PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side) see owner's manual for supported timings  
 HDMI™ PC Input: Yes (see owner's manual for supported timings)  
 S-Video Detection: Yes  
 AC Power Input: 1 (Rear)  
 Analog Audio Input(s) for HDMI™ : 1 (Rear)  
 USB 1.1: 1 (Rear) (Service only)

Power

Power Consumption (In Standby): Less than 1W  
 Power Requirements (voltage): AC 120V  
 Power Requirements (frequency): 60HZ  
 Power Consumption (In Operation) max.: 245 W (max)

Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes  
 VESA® Hole Pitch: 300X300 M6/12-16MM

Service and Warranty Information

Limited Warranty Term: 1 Year Labor / 1 Year Parts  
 Online Instruction Manual (Reference Book): Yes

Energy Saving & Efficiency

LightSensor™ Technology: Yes  
 Power Saving Modes: Yes  
 Energy Star® compliant: Exceeds Energy Star® Version 3.0  
 Eco Settings: Yes  
 Dynamic Backlight Control: Yes  
 Backlight Off Mode: Yes

PC Power Management: Yes  
 Estimated Annual Energy Consumption (kWh): 357.96 kW  
 Power Consumption (On Mode) for Energy Star: 195 W (Energy Star® Version 3.0)  
 Power Consumption (Standby Mode) for Energy Star: 0.30 W

Dimensions

Weight: 56.2 lbs. (25.5kg) with pedestal; 49.8 lbs. (22.6kg) without pedestal  
 Measurements: 44 1/4 x 30 3/8 x 12 3/4 in (1123 x 770 x 323mm) with pedestal; 44 1/4 x 28 1/2 x 3 7/8 in (1123 x 723 x 96mm) without pedestal

Supplied Accessories

Remote Control RM-YD028  
 Batteries (Type AA x2)  
 AC Power Cord (attached)  
 Operating Instructions  
 Quick Setup Guide  
 Table Top Stand (separate, pre-assembled)  
 Screws (4) for Pedestal  
 Warranty Card

Optional Accessories

SU-WL500 Wallmount Bracket  
 BRAVIA® DVD Link  
 BRAVIA® Input Link  
 BRAVIA® Wireless Link

UPC Code: 027242752993

1. HDMI connector required and sold separately.
2. Works with other BRAVIA Sync or Theatre Sync™ -labeled home audio/video products when connected via HDMI.
3. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV user's manual and PC documentation for the supported resolutions.
4. Check with your local TV station or cable company for details on accessing or subscribing to HD content

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