

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Dynamic Contrast Ratio: 50,000:1
- BRAVIA Engine™ 2 fully digital video processor
- Motionflow™ 120Hz technology
- USB with photos and music
- BRAVIA® Link compatibility
- 7 HD Inputs (HDMI x4/ Component x2/ PC x1)
- BRAVIA® Sync capable³
- ACE (Advanced Contrast Enhancer)
- Light Sensor™ technology
- 24p True Cinema™ capable
- Favorites Menu
- VESA® compatible hole spacing
- ATSC™ /NTSC tuner with QAM⁴

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® 3 entertainment systems that can deliver 1080p content.

Dynamic contrast Dynamic contrast involves real-time image processing that results in 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.

Motionflow™ 120Hz technology Motionflow™ 120HZ technology doubles the frame rate to help remove judder in film sources, HD content, and broadcast movies and primetime programming, creating smoother, more fluid motion that delivers a natural and realistic viewing experience.

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.

HD input x 7 Get versatile HD connection options with seven HD inputs. Four HDMI™ inputs (up to 1080/60p capable)¹ let you 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. An HD component input and an HD combo input (1080/60p capable) provide added HD-capable connectivity, and a PC input² (HD-15 pin) offers the added versatility of using your HDTV as a computer monitor.

USB with photos and music Connect your camera, USB-enabled MP3 player, or USB storage device directly to your HDTV's USB input to view photos on the big screen or listen to your favorite MP3's.

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. 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 an HDMI™ connecting.³



KDL-46V5100

46" BRAVIA® V Series LCD TV

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 Pull-down 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, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom

Advanced Contrast Enhancer (ACE): Yes
 Motionflow™ Technology: Motionflow™ 120Hz

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
 USB Application(s): Photo Viewer (JPEG), Music Player (MP3)
 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
 Auto Photo Mode: Yes (via USB)
 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: 5,000:1 (typ)
 Dynamic Contrast Ratio: 50,000:1 (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™ / C.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 Fix / 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): 4 (3 Side / 1 Rear)

PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side) see owner's manual for supported timings

USB 2.0: 1 (Side)

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 Operation): 245 W (max)

Power Consumption (in Standby): Less than 1W

Power Requirements (voltage): AC 120V

Power Requirements (frequency): 60Hz

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: 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 kWh

Power Consumption (On Mode): 195 W

Power Consumption (Standby Mode): 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 1/2 x 12 3/4 in (1123 x 772 x 323mm) with pedestal; 44 1/4 x 28 5/8 x 3 7/8 in (1123 x 725 x 96mm) without pedestal

Supplied Accessories

Remote Control RM-YD028

Batteries (Type AA x2)

AC Power Cord (attached)

Screws (4) for pedestal

Operating Instructions

Quick Setup Guide

Warranty Card

Table Top Stand (separate, pre-assembled)

Optional Accessories

SU-WL500 Wallmount Bracket

BRAVIA® DVD Link

BRAVIA® Input Link

BRAVIA® Wireless Link

UPC Code: 027242752955

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

© 2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, HDNA, BRAVIA Sync, BRAVIA Engine, BRAVIA Theatre Sync, Cyber-shot, Light Sensor, Handycam, Motionflow, 24p True Cinema, Full HD 1080p and their respective logos are trademarks of Sony. PlayStation is a trademark of Sony Computer Entertainment Inc. Blu-ray Disc is a trademark. HDMI and the HDMI logo are trademarks of HDMI Licensing LLC. ENERGY STAR is a registered mark owned by the U.S. government. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

Please visit the Dealer Network for current information at www.sony.com/dn