

Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Motionflow™ 120Hz technology
- High-efficiency HCFL backlight
- Dynamic contrast ratio: 100,000:1
- Conserve energy with Presence Sensor
- Energy-Saving power switch
- LightSensor™ technology
- Dynamic Backlight Control
- BRAVIA Engine™ 2 fully digital video processor
- BRAVIA® Sync™ capable¹
- HD input x 7
- USB with photos and music
- BRAVIA® Link compatibility
- Favorites Menu function



Key Technologies

16:9 Full HD 1080p Resolution Panel (1920x1080) 16:9 Full HD 1080p resolution panel (1920 x 1080) 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 (all sold separately).

Motionflow™ 120Hz technology Engineered for fast-action sports, movies, and games, Motionflow 120Hz technology reduces judder and blurriness. Overall, motion is smoother, sharper, and more natural when watching your favorite HD content, DVDs, and even broadcast movies and prime-time programming.

High-efficiency HCFL backlight The 46-inch diagonal VE5 HDTV features an HCFL (Hot Cathode Fluorescent Lamp) backlight, which uses specialized components to provide optimum brightness as soon as you turn on the HDTV and to reduce power consumption by up to 55% from Energy Star 3.0 requirements. In fact, the KDL-46V5500 consumes only about 105 watts – as little as an incandescent light bulb.

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.

Conserve energy with Presence Sensor The Presence Sensor helps you conserve energy when you forget to turn off the VE5 HDTV. If the Presence Sensor detects that you've been away from your HDTV for 5, 30, or 60 minutes, the backlight will automatically turn off, but the volume will remain on so you can still hear the sound. If you don't return after the display has been off for 30 minutes, the VE5 turns completely off.

Energy-saving standby power switch The new Energy Saving Switch, located on the side panel of the VE5, enables your HDTV to consume zero power when it's in standby mode, effectively eliminating the use of unnecessary power when you're not watching TV.

LightSensor® technology An integrated light sensor gauges the ambient light in the room and raises or lowers the brightness of the HDTV's backlight based on room lighting conditions. Dim the lights to watch a movie, and the light sensor also dims the backlight, reducing unnecessary power consumption even further.



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: Eco Panel(HCFL)
 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, 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: Yes
 Multiple Language Display: English, Spanish, French
 Info Banner: PSIP, XDS
 Sleep Timer: Yes
 Input Skip: Automatic
 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: 4,500:1
 Dynamic Contrast Ratio: 100,000:1
 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 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 Standby): 0.30 W
 Power Requirements (voltage): AC 120V
 Power Requirements (frequency): 60HZ
 Power Consumption (In Operation) max.: 160 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): 193.71 kW
 Power Consumption (On Mode) for Energy Star: 105W
 Power Consumption (Standby Mode) for Energy Star: 0.30 W
 Energy Saving Switch: Yes
 Presence Sensor: Yes

Dimensions

Weight: 57.3 lbs. (26kg) with pedestal; 50.9 lbs. (23.1kg) 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 4 1/4 in (1123 x 725 x 107mm) 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: 027242753242

1. Works with other BRAVIA® Sync™ or Theatre Sync™ labeled home audio/video products when connected via HDMI™
2. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV user's manual and PC documentation for supported resolutions.

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