

KDL-46EX700

Key Features

- Full HD 1080p Resolution
- Edge LED Backlighting with Slim Design
- BRAVIA® Internet Video¹
- Motionflow™ 120Hz Technology for Smooth Motion
- Ambient Sensor adjusts color based on room light
- LightSensor™ adjusts backlight with room light
- USB port for photos, music & video playback²
- Presence Sensor technology
- Energy Saving Switch eliminates standby power



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).

Edge LED backlight Enjoy a slim design plus amazing dynamic contrast with an Edge LED backlight.

BRAVIA® Internet Video¹ Instantly stream a wide variety of movies, TV episodes, videos and music from a large selection of entertainment apps including: Netflix®, YouTube™, Slacker® - the list goes on and on

Motionflow™ 120Hz Technology Experience smooth motion detail and clarity with Motionflow™ 120Hz technology. Motionflow™ 120Hz technology doubles the frame rate from the standard 60 frames per second and applies Image Blur Reduction technology to deliver a crisp, fluid and realistic viewing experience during fast-action scenes.

Ambient Sensor Get a natural looking picture whether you are watching movies late at night or playing video games during the day with an Ambient Sensor that automatically adjusts the picture color based on a room's lighting.

LightSensor™ Technology Automatically increase or decrease the level of brightness of your TV's backlight based on a room's lighting conditions with the integrated LightSensor™ technology. Dim the lights to watch a movie and the sensor dims the backlight, which also helps reduce unnecessary power consumption.

USB Input² Share your home videos or photos on the big screen or listen to your favorite music. Simply connect your digital camera, USB-enabled MP3 player, or USB storage device directly to your HDTV's USB input.

Presence Sensor Save energy with an HDTV that turns the picture off when you're not in the room, leaving only the audio on. After 30 minutes of no motion the audio is turned off and the TV automatically goes into stand-by mode.

Energy Saving Switch Eliminate standby power consumption without having to unplug your TV. Simply turn the Energy Saving Switch to off position and the TV no longer draws energy from the power source.



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Features

General

Closed Captions (CC): Analog, Digital
 Finish (Surface Color): Piano Black
 XMB: Yes
 Audio Return Channel: Yes
 HDMI™ InstaPort: Yes

Display

Backlight Type: LED
 Display Device: LCD

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
 MPEG Noise Reduction: Yes
 Auto Wide: Yes
 4:3 Default: Yes
 24p True Cinema™ Technology: Yes
 Picture Mode: Vivid, Standard, Cinema, Game-Standard, Game-Original, Graphics, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
 Advanced Contrast Enhancer (ACE): Yes
 Motionflow™ Technology: 120Hz
 Cinema Mode: Yes
 Live Color™ Technology: Yes

Audio

Auto SAP: Yes
 Auto Mute (on no signal): Yes
 Steady Sound® Automatic Volume Control: Yes
 Audio Out: Variable/Fixed
 Sony Original Surround: Yes
 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
 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
 Internet Radio: Yes
 Scene Select: Auto, Cinema, Sports, Photo, Music, Game, Graphics, OFF
 Theatre Mode with Cinema Surround: Yes
 TV Guide On-Screen: Yes
 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

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)
 Screen Size (measured diagonally): 46"
 Display Resolution: Full HD 1080(1920x1080)
 Aspect Ratio: 16:9
 Screen Size (cm): 116.8cm

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)
 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: 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
 AC Power Input: 1 (Rear)
 Ethernet Connection(s): 1 (Rear)

Power

Power Consumption (in Standby): 0.17W
 Power Requirements (voltage): AC 120V
 Power Requirements (frequency): 60Hz
 Power Consumption (in Operation) max.: 125W

Regulation and Standard Compliance

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

Service and Warranty Information

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

Energy Saving & Efficiency

Power Saving Modes: Yes
 Eco Settings: Yes
 Dynamic Backlight Control: Yes
 Backlight Off Mode: Yes
 Idle TV Standby: Yes
 Energy Saving Switch: Yes
 Presence Sensor: Yes

Recycled & Recyclable Materials

Product Materials: Recycled Plastic

Dimensions

Weight: 47 lbs. (21.3kg) with pedestal; 40 lbs. (18.4kg) without pedestal
 Measurements: 44.125 x 28.75 x 11.125 in (1118 x 698 x 280mm) with pedestal; 44.125 x 27.5 x 2.625 in (1118 x 698 x 65mm) without pedestal

Supplied Accessories

Remote Control (RM-YD033)
 Batteries (Type AAA x2)
 AC Power Cord
 Screws (for pedestal, 4-screws)
 Table Top Stand (separate, pre-assembled)

Optional Accessories

Wallmount Bracket (SU-WL500)

UPC Code: 027242784871

1. Connection speed of at least 2.5 Mbps recommended (10 Mbps for HD content). Video quality and picture size vary and are dependent upon broadband speed and delivery by content provider. Select content provided subject to change. Premium content may require additional fees and/or PC registration.
2. USB device must be formatted FAT-32.

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