

*Key Features*

- Full HD 1080p Resolution
- Motionflow™ 120Hz Technology for Smooth Motion
- BRAVIA Engine™ 2 fully digital video processor
- Ambient Sensor adjusts color based on room light
- LightSensor™ adjusts backlight with room light
- BRAVIA® Sync™ controls compatible devices w/ one remote<sup>1</sup>
- USB port for photos, music & video playback<sup>2</sup>
- 7 HD Inputs (4 HDMI, 2 Component, 1 PC)



*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).

**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.

**BRAVIA Engine™ 2** Enjoy sharp, vibrant, life-like images while optimizing color & contrast and significantly reducing noise with the BRAVIA Engine™ 2 fully digital processor.

**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™ Technolog** 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.

**BRAVIA® Sync™ Capable<sup>1</sup>** Conveniently operate and control other BRAVIA® Sync™ compatible devices - including BRAVIA® HDTVs, Blu-ray Disc™ Players, surround sound systems, Handycam® camcorders and Cyber-shot® digital still cameras, all with one remote control.

**USB Input<sup>2</sup>** Share your 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.

**7 HD Inputs<sup>3</sup>** Get versatile HD connection options with seven HD inputs, including four HDMI™ inputs to connect a Blu-ray Disc™ player, PlayStation®3 gaming console or any other HDMI-capable equipment. Two HD component inputs provide added HD-capable connectivity in addition a PC input (HD-15 pin) lets you use your HDTV as a computer monitor.



# KDL-55EX500

## Features

### General

Closed Captions (CC): Analog, Digital  
 Finish (Surface Color): PianoBlack  
 HDMI™ InstaPort: Yes

### Display

Backlight Type: CCFL  
 Display Device: LCD

### Video

Video Processing: BRAVIA Engine 2™ Technology  
 CineMotion® Reverse 3:2 Pulldown Technology: Yes  
 Wide Mode: Normal, Zoom, Wide Zoom, Full (Full1-2 for PC)  
 3D Comb Filter: Yes  
 MPEG Noise Reduction: Yes  
 Auto Wide: Yes  
 4:3 Default: Yes  
 24p True Cinema™ Technology: Yes  
 Picture Mode: Vivid, Standard, Cinema  
 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: Fixed  
 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  
 5.1ch Through Out (Handycam): 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: Manual  
 Channel Surf: Yes  
 Channel Block (with password): Yes  
 Edit Channel Labels: Yes  
 Label Inputs: Yes  
 ID-1 Detection: Yes  
 USB Application(s): Photo Viewer (jpeg), Music Player (mp3), Video Player (mpeg1), Video Player (mpeg2 TS)  
 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(HD15/HDMI) & TV Channel/CVBS/(HDMI)/(Component)  
 Channel Labels: Yes  
 Program Block: Yes  
 Short Banner: Yes  
 Auto Photo Mode: via USB  
 Picture Adjustments Lock: Yes  
 White Balance: RGB Gain/Bias  
 Auto Picture Setting w/HDMI™ : Cinema, Sport, Music, Photo, Graphics, Game  
 Scene Select: Auto, Cinema, Sports, Photo, Music, Sony Electronics Inc. 130 Via Esprillo • San Diego, CA 92127 • 1.800.222.7669 • www.sony.com

Favorites (Simple UI): Yes  
 Ambient Sensor: Yes  
 Picture Frame Mode: Yes  
 Stand Swivel: Yes  
 Stand Swivel Range: Left 20°/Right 20°  
 Start Up Sony Logo Display: Yes  
 USB Player: Yes

## Specifications

### Display

Viewing Angle (Right/Left): 178(89/89)  
 Viewing Angle (Up/Down): 178(89/89)  
 Screen Size (measured diagonally): 54.6"  
 Display Resolution: Full HD 1080(1920x1080)  
 Aspect Ratio: 16:9  
 Screen Size (cm): 138.8cm

### TV System

Tuner (Cable): 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 (Analog): 1(Hybrid)  
 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 (Rear) (1 fixed/1 selectable)  
 Composite Video Input(s): 2 (1 Side/1 Rear)  
 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) AC Socket

### Power

Power Consumption (in Standby): Less than 0.23W (AC120V), Less than 0.4W (AC240V)  
 Power Requirements (voltage): AC 120V  
 Power Requirements (frequency): 60Hz  
 Power Consumption (in Operation) max.: 315W Max

### Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes  
 VESA® Hole Pitch: 400x300 (55")

### Service and Warranty Information

Limited Warranty Term: 1 Year Labor / 1 Year Parts

### Energy Saving & Efficiency

Power Saving Modes: Yes  
 Eco Settings: Yes  
 Dynamic Backlight Control: Yes  
 Backlight Off Mode: Yes  
 Estimated Annual Energy Consumption (kWh): 305.0

Idle TV Standby: Yes  
 Power Consumption (On Mode) for Energy Star: 166.0W  
 Power Consumption (Standby Mode) for Energy Star: 0.23W

### Recycled & Recyclable Materials

Product Materials: Recycled Plastic  
 Packaging Materials: Recycled Carton (more than 20%)  
 Printed Materials: FSC Certified

### Dimensions

Weight: 67.7 lbs. (30.7kg) with pedestal; 58.9 lbs. (26.7kg) without pedestal  
 Measurements: 52 1/4 x 32 7/8 x 13.875 in (1324 x 832 x 350mm) with pedestal; 52 1/4 x 31 3/8 x 4 1/8 in (1324 x 795 x 105mm) without pedestal

### Supplied Accessories

Remote Control (RM-YD034)  
 Batteries (Type AAA x2)  
 AC Power Cord (attached)  
 Screws (for pedestal (M5X16, 4 screws)  
 Operating Instructions  
 Quick Setup Guide  
 Warranty Card  
 Table Top Stand (separate, pre-assembled)

### Optional Accessories

Wallmount Bracket (SU-WL500)

UPC Code: 027242784932

1. Works with other BRAVIA® Sync or Theatre Sync™ labeled home audio/video products when connected via HDMI™ interface
2. USB device must be formatted FAT-32.
3. 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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