

Model number: KDL-46EX400

46" BRAVIA EX400 Series HDTV

(Screen size measured diagonally.)

Model features: Full HD 1080p, BRAVIA Engine™ 2, Ambient Sensor, LightSensor™ technology, USB port, BRAVIA Sync™, 7 HD inputs

ADDITIONAL IMAGES:



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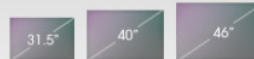
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Experience Full HD 1080p, incredible contrast and sharp, vibrant images with the Sony BRAVIA® EX400 Series HDTV. Available in a variety of sizes, this great HDTV features Ambient Sensor and LightSensor™ technology that automatically adjust the color and backlight based on a room's lighting. Connect a USB drive and share your favorite photos and music with family and friends.

Available Screen Sizes (measured diagonally):



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).²

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.

7 HD Inputs

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.⁴

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.

USB Input

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.

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.

BRAVIA® Sync™ Compatible

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.³

[VIEW FOOTNOTES](#)

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Product Profile

Support

- Find related product support and help in [Sony eSupport](#)

Product Warranty

- [Owner's Manual](#)
- [Limited Warranty](#)

Product Specifications

Video

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

Power

- Power Consumption (in Operation) max. : 245W Max
- Power Consumption (in Standby) : Less than 0.23W (AC120V), Less than 0.4W (AC240V)
- Power Requirements (frequency) : 60Hz
- Power Requirements (voltage) : AC 120V

Audio

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

Convenience Features

- Ambient Sensor : Yes
- Auto Photo Mode : via USB
- Auto Picture Setting w/ HDMI™ : Cinema, Photo, Graphics, Game

Weights and Measurements

- Dimensions (Approx.) : 44 3/8 x 28 x 11 5/8" (1127 x 711 x 294mm) with pedestal; 44 3/8 x 26 5/8 x 4 1/8" (1127 x 674 x 102mm) without pedestal
- Weight (Approx.) : 45 lbs. (20.4kg) with pedestal; 39.9 lbs. (18.1kg) without pedestal

Video Features

- 24p True Cinema™ Technology : Yes
- 3D Comb Filter : Yes
- 4:3 Default : Yes
- Advanced Contrast Enhancer (ACE) : Yes
- Auto Wide : Yes
- CineMotion® Reverse 3:2 Pulldown Technology : Yes
- Cinema Mode : Yes
- Live Color™ Technology : Yes
- MPEG Noise Reduction : Yes
- Picture Mode : Vivid, Standard, Custom
- Video Processing : BRAVIA Engine 2™ Technology
- Wide Mode : Normal, Zoom, Wide Zoom, Full (Full 1-2 for PC)

Audio Features

- 5.1 Channel Audio Out : Yes
- 5.1ch Through Out (Handycam) : Yes
- Alternate Audio (Digital) : yes
- Audio Out : Fixed
- Auto Mute (on no signal) : Yes
- Auto SAP : 20FM/10AM
- Clear Voice : Yes
- Dolby® : Dolby® Digital
- Invisible Speaker (w/Sound Elevation) : Yes
- Sound Mode : Dynamic, Standard, Clear Voice, Custom
- SteadySound® Automatic Volume Control : Yes
- Stereo System : MTS
- Surround Effect : Cinema, Music, Live Sports, Game

Energy Saving & Efficiency

- Backlight Off Mode : Yes
- Dynamic Backlight Control : Yes
- Eco Settings : Yes
- Estimated Annual Energy Consumption (kWh) : 215.0 kWh

- Auto Shut-off : Yes
- BRAVIA® Sync™ : Yes
- BRAVIA® Sync™ Menu Button : Yes (on Remote Control)
- Channel Block (with password) : Yes
- Channel Jump : Yes
- Channel Labels : Yes
- Channel Surf : Yes
- Control for HDMI™ (HDMI™ CEC) : Yes
- Edit Channel Labels : Yes
- Favorites (Simple UI) : Yes
- ID-1 Detection : Yes
- Info Banner : PSIP, XDS
- Input Skip : Manual
- Label Inputs : Yes
- Multiple Language Display : English, French, Spanish
- On-Screen Display for External Input : Yes
- PIP (Picture in Picture) : PC Input(HD15/HDMI) & TV Channel/CVBS/(HDMI)/(Component)
- Parental Control : Yes
- Picture Adjustments Lock : Yes
- Picture Frame Mode : Yes
- Program Block : Yes
- Scene Select : Auto, Cinema, Sports, Photo, Music, Game, Graphics, General
- Short Banner : Yes
- Show/Hide Channels : Yes
- Sleep Timer : Yes
- Start Up Sony Logo Display : Yes
- Theatre Mode (Theatre Button) : Yes
- USB Application(s) : Photo Viewer (jpeg), Music Player (mp3), Video Player (mpeg1), Video Player (mpeg2 TS)
- USB Player : Yes
- White Balance : RGB Gain/Bias

Display Features

- Backlight Type : CCFL
- Display Device : LCD

TV System

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

In the Box

Service and Warranty Information

- Limited Warranty Term : 1 Year Labor / 1 Year Parts

Regulation and Standard Compliance

- VESA® Hole Pitch : 300x300(46")
- VESA® Hole Spacing Compatible : Yes

Inputs and Outputs

- AC Power Input : 1 (Rear) AC Socket
- Analog Audio Input(s) (Total) : 4 (1 Side / 3 Rear)
- Audio Out : 1(Rear)
- 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)
- HDMI™ Connection(s) (Total) : 4 (2 Side/2 Rear)
- HDMI™ PC Input : Yes
- PC In (D-Sub) + Audio In (Stereo Mini) : 1 (Rear) (common with HDMI 1) (stereo Mini)
- RF Connection Input(s) : 1 (Rear)
- USB 2.0 : 1(Side)

Sensing Features

- Ambient Sensor : Yes

- Idle TV Standby : Yes
- Power Consumption (On Mode) for Energy Star : 116.8W
- Power Consumption (Standby Mode) for Energy Star : 0.23W
- Power Saving Modes : Yes

Recycled & Recyclable Materials

- Packaging Materials : Recycled Carton (more than 20%)
- Printed Materials : FSC Certified
- Product Materials : Recycled Carton (more than 40%)

Display

- Aspect Ratio : 16:9
- Display Resolution : Full HD 1080(1920x1080)
- Dynamic Contrast Ratio : 140,000:1
- Screen Size (measured diagonally) : 46"
- Viewing Angle (Right/Left) : 178(89/89)
- Viewing Angle (Up/Down) : 178(89/89)

General Features

- Closed Captions (CC) : Analog, Digital
- Finish (Surface Color) : PianoBlack
- HDMI™ InstaPort : Yes
- Start Up Sony Logo Display : Yes