
Key Features

- Full HD 1080p Resolution
- Monolithic Design
- Motionflow™ 240Hz Technology for Smooth Motion
- Wi-Fi® Adapter Ready¹
- BRAVIA® Internet Video²
- BRAVIA Engine™ 3 fully digital video processor
- Ambient Sensor adjusts color based on room light
- USB port for photos, music & video playback³
- 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).

Motionflow™ 240Hz Technology Experience smoother motion detail and clarity with Motionflow™ 240Hz technology. Motionflow™ 240Hz technology quadruples frame rate from the standard 60 frames per second and applies Image Blur reduction to deliver a crisp, fluid and realistic viewing experience during fast-action scenes.

Wi-Fi® Adapter Ready Enjoy the convenience of wireless connectivity for your home entertainment network and make accessing your online entertainment - including movies, photos, music, videos and more - even easier! (Wi-Fi dongle required. Sold separately.)¹

BRAVIA® Internet Video 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.²

BRAVIA Engine™ 3 Enjoy Sony's most advanced processing system for superior image detail, exceptionally vibrant, life-like images, reduced noise and optimized contrast and color with the BRAVIA Engine™ 3 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.

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.³

KDL-46HX701

46" BRAVIA® HX701 Series HDTV

Features

General

Closed Captions (CC): Analog, Digital

Illuminated Sony Logo: Yes

Finish (Surface Color): Black

XMB: Yes

Audio Return Channel: Yes

HDMI™ InstaPort: Yes

Emergency Warning System: Yes

Display

Backlight Type: CCFL

Display Device: LCD

Deep Black Panel: Yes

Video

Video Processing: BRAVIA Engine 3™ Technology

CineMotion® Reverse 3:2 Pulldown 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, Custom, Cinema, Game-Standard, Game-Original, Graphics, Sports, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom

Advanced Contrast Enhancer (ACE): Yes

Motionflow™ Technology: 240Hz

Cinema Mode: Yes

Live Color™ Technology: Yes

Audio

Auto SAP: 20FM/10AM

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

Stand Tilt: Yes

Stand Tilt Range: 2position 0°/ Back 6°

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

Upward Style: Yes

Network

DLNA: Yes

BRAVIA® Internet Video: Ready

Photo MAP: Yes

Specifications

Display

Viewing Angle (Right/Left): 178(89/89)

Viewing Angle (Up/Down): 178(89/89)

Dynamic Contrast Ratio: 160,000:1

Screen Size (measured diagonally): 46"

Display Resolution: Full HD 1080(1920x1080)

Aspect Ratio: 16:9

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 (see owner's manual for supported timings)

AC Power Input: 1 (Rear)

Ethernet Connection(s): 1 (Rear)

PC Input(s) (D-Sub): 1 (Rear)

Power

Power Consumption (in Standby): 0.12W

Power Requirements (voltage): AC 120V

Power Requirements (frequency): 60Hz

Power Consumption (in Operation) max.: 210W

Power Consumption (in Download Acquisition Mode): Less than 12.5 W

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

Estimated Annual Energy Consumption (kWh): 209kWh/year

Idle TV Standby: Yes

Energy Saving Switch: Yes

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)

Dimensions

Weight: 62.6 lbs. (28.4kg) with pedestal; 53.5 lbs. (24.3kg) without pedestal

Measurements: 45 1/2 x 29 1/4 x 14 5/8 in (1154 x 741 x 370mm) with pedestal; 45 1/2 x 27 3/4 x 4 1/8 in (1154 x 704 x 102mm) without pedestal

Supplied Accessories

Remote Control (RM-YD33)

Batteries (Type AAA x2)

Table Top Stand (separate, pre-assembled)

Optional Accessories

Wallmount Bracket (SU-WL500)

UPC Code: 027242784789

1. Wireless router required (sold separately). Requires a compatible 802.11n access point. Some functionality may require Internet services.

2. 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

3. USB device must be formatted FAT-32.

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