

Key Features

- Full HD 1080p with 3D¹
- Dynamic Edge LED Backlight w/ local dimming
- Motionflow™ PRO 240Hz Technology for Smooth Motion
- BRAVIA Engine™ 3 fully digital video processor
- BRAVIA® Internet Video²
- Deep Black Panel reduces reflective light
- Wi-Fi® Adapter Ready³
- USB port for photos, music & video playback
- DLNA® support for streaming photos, videos and music⁴
- Instantly convert 2D personal content into 3D w/ one button⁷



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).⁵

3D in Full HD Enjoy an immersive, realistic movie and gaming experience in Full HD 1080p using Sony's 3D accessories (3D Sync Transmitter and 3D Active Glasses, both sold separately) and connecting a compatible 3D Blu-ray Disc™ Player or PlayStation®3 gaming console.¹

Convert standard 2D personal content into 3D with the push of a button on your remote.⁷

Dynamic Edge LED Backlight Experience incredible contrast in a slim design with Dynamic Edge LED backlight technology.

Motionflow™ PRO 240Hz Technology Experience Sony's highest level of smooth motion detail and clarity with Motionflow™ PRO 240Hz technology. Enjoy a crisp, fluid and realistic viewing experience during fast-action scenes.

BRAVIA Engine® 3 Enjoy Sony's most advanced video 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 video processor.

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

Deep Black Panel Enjoy crisp, vibrant images, incredible contrast and minimized reflections with a specially coated Deep Black Panel display.



KDL-46HX800

46" BRAVIA® HX800 Edge LED Backlit LCD HDTV w/ 3D

Features

General

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

Display

Backlight Type: Dynamic LED
Display Device: LCD
Deep Black Panel: Yes

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, Sports, Photo-Vivid, Photo-Standard, Photo-Original, Photo-Custom
Advanced Contrast Enhancer (ACE): Yes
Motionflow™ PRO Technology: 240Hz
Cinema Mode: Yes
Live Color™ Technology: Yes
3D: Ready

Audio

Auto SAP: Yes
Auto Mute (on no signal): Yes
Steady Sound® Automatic Volume Control: Yes
Audio Out: Variable/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, 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

Control for HDMI™ (HDMI™ CEC): 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
Scene Select: Auto, Cinema, Sports, Photo, Music, Game, Graphics, General
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)
Dynamic Contrast Ratio: Infinite⁵
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)

Power

Power Consumption (in Standby): 0.12W

Power Requirements (voltage): AC 120V for UL,cUL AC110-240V for other
Power Requirements (frequency): 60Hz for UL,cUL 50/60Hz for other
Power Consumption (in Operation) max.: 149W
Power Consumption (in Download Acquisition Mode): 14 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
Energy Star® compliant: Yes
Eco Settings: Yes
Dynamic Backlight Control: Yes
Backlight Off Mode: Yes
Estimated Annual Energy Consumption (kWh): 166.9kWh
Idle TV Standby: Yes
Energy Saving Switch: Yes

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)

Dimensions

Weight: 42.3 lbs. (19.2kg) with pedestal; 37.3 lbs. (16.9kg) without pedestal
Measurements: 42 3/4 x 27 1/8 x 10 1/4" (1085 x 688 x 260mm) with pedestal; 42 3/4 x 25 7/8 x 3" (1085 x 656 x 74mm) without pedestal

Supplied Accessories

Remote Control (RM-YD040)
Batteries (Type AAA x2)
AC Power Cord
Table Top Stand (separate, pre-assembled)

Optional Accessories

Wallmount Bracket (SU-WL500)
3D Sync Transmitter
3D Active Glasses
Wi-Fi Adapter (UWA-BR100)

UPC Code: 027242784796

- 3D viewing requires a Sony 3D Sync Transmitter and 3D Active Glasses (each sold separately).
- Broadband internet 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, a subscription and/or PC registration.
- Requires home network with an 802.11 access point (802.11n recommended) and internet connection. USB adapter (UWA-BR100) required, sold separately.
- Requires UWA-BR100 USB adapter (sold separately), a home network with an 802.11 access point (802.11n recommended), internet access and content stored on a DLNA compliant PC or server..
- HDMI cable required, sold separately
- Dynamic contrast ratio compares the luminance of a 100IRE (white) signal with that of a 0IRE (black) signal. When the TV receives a 0IRE signal the backlight is turned off and the luminance measurement is 0.00 cd/m². The resulting dynamic contrast ratio is infinite.
- 2D to 3D conversion converts 2D content to 3D. Quality may vary depending upon the quality of the original 2D source content.

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