KDL-55NX810

Key Features

- Full HD 1080p with 3D[1]
- Dynamic Edge LED Backlighting with local dimming
- Motionflow™ PRO 240Hz Technology for Smooth Motion
- BRAVIA® Internet Video & Widgets[2]
- BRAVIA Engine™ 3 fully digital video processor
- Built-in Wi-Fi® for network connectivity[5]
- Monolithic Design with OptiContrast Panel
- LightSensor™ adjusts backlight with room light
- Energy Saving Switch eliminates standby power
- Instantly convert 2D personal content into 3D w/ one button[3]

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).

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.[3]

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

Motionflow™ PRO 240Hz Technology Experience smoother motion detail and clarity with Motionflow™ PRO 240Hz technology. Motionflow™ PRO 240Hz technology increases the frame rate and applies Image Blur reduction to deliver a crisp, fluid viewing experience during fast-action scenes.

BRAVIA® Internet Video Instantly stream a wide variety of movies, TV episodes, videos, and music from a large selection of entertainment channels including: Netflix®, YouTube™, Slacker® - the list goes on and on.[2]

BRAVIA® Internet Widgets Personalize your viewing experience by adding information apps to your screen so you can instantly access the latest local news, weather, sports headlines and Twitter® updates.[2]

OptiContrast Panel Enjoy improved picture accuracy and deeper blacks with the OptiContrast panel technology when you are watching.

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 video processor.

Built-In Wi-Fi® Enjoy the convenience of built-in wireless connectivity to your home entertainment network and make accessing your online entertainment - including movies, photos, music, videos and more - even easier![5]

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 giving you the best picture quality for that setting, which also helps reduce unnecessary power consumption.

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.

Features

General

Closed Captions (CC): Analog, Digital
Illuminated Sony Logo: Yes
Finish (Surface Color): Black
XMB: Yes
Audio Return Channel: Yes
HDMI™ InstaPort: Yes
Start Up Sony Logo Display: Yes

Display

Backlight Type: Dynamic Edge LED
Display Device: LCD
OptiContrast 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, Sports, Graphics, 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: 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(HDMI)/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, 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
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: Integrated
Upward Style: Yes

Network

DLNA: Yes
BRAVIA® Internet Video: Yes
BRAVIA® Internet Widgets: Yes
Photo MAP: Yes
Wireless LAN: Integrated

3D

3D: Yes

Sensing

LightSensor™ Technology: Yes

Broadcast

TV Guide On-Screen: Yes

Design

Stand Swivel: Yes
Stand Swivel Range: Left 20°/Right 20°
Illuminated Sony Logo: Yes
Stand Tilt: Yes
Stand Tilt Range: 2position 0°/ Back 6°
Upward Style: Yes

Specifications

Display

Viewing Angle (Right/Left): 178(89/89)
Viewing Angle (Up/Down): 178(89/89)
Dynamic Contrast Ratio: Infinite[6]
Screen Size (measured diagonally): 55"(54.6")
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)
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): 3

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 1(1 Side) (Composite input common use))
Composite Video Input(s): 2 (1 Side (Component input common use)/ 1 Rear)
Digital Audio Output(s): Optical Digital Output - 1 (Rear)
RF Connection Input(s): 1 (Rear)
Analog Audio Input(s) (Total): 3 (2 Side/1 Rear)
Audio Out: 1 (Rear)
HDMI™ Connection(s) (Total): 4(2 Side/2 Rear)
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side)
USB 2.0: 1 (Side)
HDMI™ PC Input: Yes
AC Power Input: 1 (Rear)
Ethernet Connection(s): 1 (Rear)

Power

Power Consumption (in Standby): 0.12W
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.: 175W
Power Consumption (in Download Acquisition Mode): 22W

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

LightSensor™ Technology: Yes
Power Saving Modes: Yes
Energy Star® compliant: Exceeds Energy Star® version 4.0
Eco Settings: Yes
Dynamic Backlight Control: Yes
Backlight Off Mode: Yes
Estimated Annual Energy Consumption (kWh): 192.5kWh/year
Energy Saving Switch: Yes

Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)

Weights and Measurements

Weight (Approx.): 71 lbs. (32.2Kg) with pedestal; 59.3 lbs. (26.9Kg) without pedestal
Dimensions (Approx.): 50 1/4 x 31 1/2 x 12 3/4" (1276 x 800 x 323mm) with pedestal; 50 1/4 x 30 3/8 x 1 3/8" (1276 x 770 x 32mm) without pedestal
Packaging (Approx.): 53 5/8 x 33 5/8 x 8 1/2" (1362 x 852 x 213mm)

Supplied Accessories

Remote Control (RM-YD036)
Batteries (Type AAA x2)
AC Power Cord
Table Top Stand (separate, assembly required)

Optional Accessories

Wallmount Bracket (SU-WL500)
3D Sync Transmitter (TMR-BR100)
3D Active Glasses (TDG-BR100, TDG-BR50/L, TDG-BR50/P)

UPC Code: 027242808188

1. 3D viewing requires a Sony 3D Sync Transmitter and 3D active glasses (each sold separately).
2. Broadband internet connection speed of at least 2.5 Mbps recommended (10 Mbps for HD content). Video quality and picture size vary and are depended 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. Netflix unlimited membership required for Netflix feature functionality. Wireless connectivity requires a home network with an 802.11 access point (802.11n recommended).
3. 2D to 3D conversion converts 2D content to 3D. Quality may vary depending upon the quality of the original 2D source content.
4. Streaming personal content requires a home network with an 802.11 access point (802.11n recommended), internet access and content stored on a DLNA compliant PC or server.
5. Requires home network with an 802.11 access point (802.11n recommended) and internet connection.
6. Dynamic contrast ratio compares the luminance of a 100 IRE (white) signal with that of a 0 IRE (black) signal. When the TV receives a 0 IRE signal the backlight is turned off and the luminance measurement is 0.00 cd/m2 . The resulting dynamic contrast ratio is infinite.

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