Key Features

- Full HD 1080p with 3D
- Dynamic Edge LED Backlighting with local dimming
- Motionflow™ PRO 120Hz Technology for Smooth Motion
- BRAVIA® Internet Video & Widgets
- BRAVIA Engine™ 3 fully digital video processor
- Built-in Wi-Fi® for network connectivity
- OptiContrast™ Panel reduces ambient light
- LightSensor™ adjusts backlight with room light
- Energy Saving Switch eliminates standby power
- Instantly convert 2D personal content into 3D with one button

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

**Edge LED backlight** Enjoy a slim design plus amazing dynamic contrast with an Edge LED backlight.

**Motionflow™ PRO 120Hz Technology** Experience smoother motion detail and clarity with Motionflow™ PRO 120Hz technology. Motionflow™ PRO 120Hz 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.

**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.

**OptiContrast Panel** Enjoy improved picture accuracy and deeper blacks with the OptiContrast panel technology when you are watching.
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
- CinemaMotion® Reverse 3:2 Pulldown Technology: Yes
- Wide Mode: Normal, Zoom, Wide Zoom, Full (Full 2 for PC), H Stretch
- Deep Color: Yes
- 3D Comb Filter: Yes
- Picture TV: HD: Yes
- MPEG Noise Reduction: Yes
- Auto Wide: Yes
- 4:3 Default: Yes
- Full HD: 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: 120Hz
- 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
- 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, PSP, XDS
- Sleep Timer: Yes
- Input Skip: Automatic
- Channel Surf: Yes
- Channel Block (with password): Yes
- ED姬 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 (MG4)
- Theatre Mode (Theatre Button): Yes
- Show/Hide Channels: Yes
- Auto Shutoff: 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 DNLA, via USB
- On-Screen Clock: Yes
- Picture Adjustments Lock: Yes
- White Balance: RGB Gain/Bas
- Auto Picture Setting w/HDMI™: Cinema, Sports, Music, Game, Graphics, OFF
- 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: Position 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
- DNLA: Yes
- BRAVIA® Internet Video: Yes
- BRAVIA® Internet Widgets: Yes
- Photo MAP: Yes
- Wireless LAN: Integrated

Specifications

Display
- Viewing Angle (Right/Left): 178(89/89)
- Viewing Angle (Up/Down): 178(89/89)
- Dynamic Contrast Ratio: Infinity
- Screen Size (measured diagonally): 46" / 1169mm
- Display Resolution: Full HD 1080p (1920x1080)
- Aspect Ratio: 16:9
- TV System
- Tuner (Cable): Clear QAM
- Tuner (Terrestrial): ATSC™ / NTSC
- Channel Coverage: VHF: 2-13, UHF: 14-69
- CATV (analog): 1-135ch
- CATV (digital): 1-135ch
- TV System (Analog): M
- Number of Tuners (Digital): 1 (Hybrid)
- Color System: NTSC

Video
- Video Signal: 1080p 60p (HDMI™ / COMPONENT), 1080i/60, 1080p 24p (HDMI™ ONLY), 720p, 60p, 480p, 480i
- Audio Power Output: 20W (10W x 2)
- Speakers (Total): 3
- Inputs and Outputs
- Component Video (Y/Pb/Pr) Input(s): 1/1 Side
- Digital Audio Output(s): Optical Digital Output - 1 (Home Theater only)
- Digital Audio Output(s): HDMI™ - 1 Side (HDMI™ only)
- 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 (Standby): 0.12W
- Power Requirements (voltage): AC 120V for UL/cUL, AC 110-240V for others
- Power Requirements (frequency): 60Hz for UL/cUL, 50Hz for others
- Power Consumption (in Operation) max.: 153W
- Power Consumption (in Downaload Acquisition Mode): 22W

Regulation and Standard Compliance
- VESA® Hole Spacing Compatible: Yes
- VESA® Hole Pitch: 300x200 M6

Service and Warranty Information
- Limited Warranty Term: 18 Months Labor / 18 Months 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): 172.4kWh/year
- Energy Saving Switch: Yes

Dimensions
- Weight: 53.8 lbs. (24.4kg) with pedestal; 45.2 lbs. (20.5kg) without pedestal
- Measurements: 42 3/4 x 27 1/4 x 10 3/4 (1083 x 660 x 270mm) with pedestal; 42 3/4 x 26 x 1 1/4" (1083 x 660 x 31mm) without pedestal

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

Wallmount Bracket (SUWLS500)
- 3D Sync Transmitter (TM-BR100)
- 3D Active Glasses (TDG-BR100, TDG-BR50/L, TDG-BR50/P)

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 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 Internet registration. 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 depends on the luminance of 100IRE (White) signal with that of 0IRE (Black) signal. When the TV receives a 0IRE signal the bar is turned off and the luminance is measured at 0.00 cd/m2. The resulting dynamic contrast ratio is infinite.

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