Key Features

- 3 SXRD Full HD Resolution (1920 x 1080 / 0.61” SXRD chip)
- WEGA Engine™ System
- Advanced Iris function
- ATSC Integrated Tuner
- HDMI x 2 inputs for digital connectivity (1080p input)
- PC Input (D-Sub 15pin)
- Front Component - HDV Camcorder Connection (1080i)
- Audio Optical Output (TOS Link)
- CineMotion® Reverse 3:2 Pulldown
- DRC-MFv1 (Digital Reality Creation Multi-Function v1) technology
- SRS® TruSurround® Audio Effect
- BBE Digital

Key Technologies

SXRD™ Chips SXRD technology is the latest display technology developed by the legendary television engineers at Sony to meet and exceed the demands of a High Definition image at its full 1080 line resolution. Digitally transmitted High Definition signals can contain over 2 million individual detail points that need to be displayed accurately and rapidly. SXRD displays those 2 million detail points per SXRD panel accurately since the 3 SXRD chips actually contain enough pixels to fully display a 1080 line picture without interlacing it.

SXRD has the speed to create a smooth, film like image. The SXRD chips have a blistering 2.5ms response time (total rise and fall time), which exceeds the demands of even the most rapidly moving High Definition images. And SXRD creates highly accurate, natural colors because the 3-chip design displays all the colors, all the time.

Advanced Iris Function The Advanced Iris function is a special Sony function designed to improve contrast expression especially in darker scenes. The Advanced Iris function is enabled by using either one of two modes - Auto and Manual. The Auto Mode has two settings designed to work best with video content such as movies that vary between bright scenes and dark scenes. Auto 1 is for programs that have a wide range of brightness from scene to scene. Auto 2 is for programs that have less variation between brightness levels from scene to scene.

The Manual mode is used to help deliver optimum contrast levels under different room lighting conditions. The High mode offers maximum screen brightness and works well when a room is brightly lit. The Medium mode is for average levels of light. And the Low mode offers the maximum amount of contrast and works best under low light conditions. The key benefits are deep blacks and improved brightness and overall contrast.

WEGA Engine™ Video Processor Leveraging Sony's TV heritage and engineering expertise, the latest generation of Sony's exclusive WEGA Engine™ is born. Its fully digital signal-processing path includes video processing functions that are designed to improve overall picture quality. Among the key functions that have been added to the WEGA Engine are:

- Green, blue and white color enhancer circuit, which selectively adjusts common natural colors like green, white and blue color levels for a more vivid image,
- Digital MPEG Noise Reduction Circuit, which reduces MPEG artifacts such as “block noise” and mosquito noise” caused by compression used in digital broadcasts used to maximize bandwidth.
- Digital Contrast Enhancer circuit processes every field automatically selecting out details and optimizing contrast for each scene. Adaptive processing improves the low contrast parts of the picture providing crisp and vivid images with high contrast.

The overall result of WEGA Engine has to be seen to be believed.

HDMI™ and PC Inputs Designed for maximum versatility, Sony's Grand WEGA™ XBR® line is equipped with a comprehensive range of input interfaces. The HDMI (High-Definition Multimedia Interface) is the first industry-supported, uncompressed, all-digital audio/video interface. HDMI technology supports enhanced or High Definition video, together with multi-channel digital audio to provide matchless image and sound reproduction. A D-Sub 15 input also allows connection to your PC, allowing you to use your high resolution Grand WEGA TV as a computer monitor.
KDS-50A2000

50" Diagonal SXRD Rear Projection Television

Features

General
- Video Label: Yes

Video
- Video Processing: Yes (WEGA Engine™ System)
- Noise Reduction: Yes
- Black Corrector: High, Medium, Low, Off
- Advanced Iris: Yes
- Auto Adjustment (PC): Yes
- Advanced Video Menu: Yes
- Picture Modes: Vivid, Standard, Custom

Audio
- MTS Stereo Decoder: Yes
- A/V Sync: Off/1/2/3
- Audio Mute: Yes
- Auto SAP: Yes
- Steady Sound® Automatic Volume Control: Yes
- Dolby® Dolby® Digital (AC3/ATSC only)

Convenience
- Favorite Channel: Yes
- Speed Surf™ Channel Selection: Yes
- Program Guide Access: Yes
- Info Banner: Yes
- Programmable Timer: Yes (2 Event)
- Sleep Timer: 15, 30, 45, 60, 90, Off
- Power Save Mode: Standard, Reduced, Picture Off
- Picture Freeze: Yes
- Remote Control: Yes
- ID-1 Detection: Yes

Specifications

General
- Aspect Ratio: 16:9
- Television Type: Micro Display HDTV

Display
- Screen Size (measured diagonally): 50" class (49.5")
- Native Resolution: 1920 x 1080
- Display Resolution: 1920 x 1080p (Full HD)

TV System
- Tuner (Cable): hybrid with Clear QAM
- Tuner (Terrestrial): NTSC, ATSC (8 VSB)

Video
- Display Response Time: 2.5ms (rise and fall)
- Vertical Size: Yes
- Vertical Center: Yes
- Horizontal Center: Yes

Audio
- Audio Power Output: 24W (12W x 2)

Inputs and Outputs
- Component Video (Y/Pb/Pr) Input(s): 3 (1 Front/2 Rear)
- Composite Video Input(s): 3 (1 Front/2 Rear)
- Digital Audio Output(s): 1 (Rear) Dolby® Digital Optical Output
- RF Connection Input(s): 1 (Rear)
- PC Audio Input(s): 1 (Rear)
- PC Video Input(s): 1 (Rear)
- Analog Audio Input(s) (Total): 5 (1 Front/4 Rear)
- HDMI™ Connection(s) (Total): 2 (Rear)
- HDMI™ Connection(s) (w/ Analog Audio In): 1 with L/R RCA audio connections

Power
- Power Consumption (in Operation): 210W
- Power Consumption (in Standby): 0.5W
- Power Management: Yes
- Power Requirements (voltage): AC 120V, 60Hz

Regulation and Standard Compliance
- Energy Star® Compliant: Yes

Service and Warranty Information
- Limited Warranty: 1 Year Parts / 1 Year Labor

Dimensions
- Weight: 74lbs 15oz (34Kg)
- Measurements: 46.5 x 33.13 x 17.63" (1180 x 839 x 447mm)

Supplied Accessories
- Remote Control (RM-YD010)
- Operating Instructions
- Quick Start Guide
- Batteries (AA x2)
- Limited Warranty
- Product Registration Card

Optional Accessories
- SRS511M (AV Stand)
- XL-5200 (120W Replacement Lamp)

UPC Code: 027242697775

Showed with optional SU-RS11M A/V Stand

Please visit the Dealer Network for current information at www.sony.com/dn

1. With Auto Iris ON
2. Depending on usage, the lamp will require periodic replacement to maintain optimum picture quality. It is recommended that the lamp be exchanged after 8,000 hours of use.
3. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV users manual and PC documentation for supported resolutions.
4. For additional warranty terms and information please refer to the Limited Warranty Card included with this product or visit http://esupport.sony.com/

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