

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 Input³ (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 monitor³.

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 Synch: 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 x2)

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)

S-Video Input(s): 1 (Rear)

PC Audio Input(s): 1 (Rear)³

PC Video Input(s): 1 (Rear)³

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 Labor⁴

Dimensions

Weight: 74lbs 15oz (34Kg)

Measurements: 46.5 x 33.13 x 17.63" (1180x 839 x 447mm)

Supplied Accessories

Remote Control (RM-YD010)

Operating Instructions

Quick Start Guide

Batteries (AA x2)

Limited Warranty

Product Registration Card

Optional Accessories

SU-RS11M (AV Stand)

XL-5200 (120W Replacement Lamp)

UPC Code: 027242697775

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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Shown with optional SU-RS11M A/V Stand

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