

Key Features

- HD (1280 x 720) Picture Resolution (LCD Chip)
- 3 LCD Chips (R/G/B); 921,600 Pixels Each
- Cinema Black Pro for excellent contrast ratio
- ATSC Integrated Tuner
- HDMI (High Definition Multimedia Interface - 1080i) 2 (Rear)
- HDV Camcorder Component connection - 480i, 720p, 1080i (Side)
- PC Input via HDMI (High Definition MultiMedia Interface) connection
- DRC MF-V1 (Digital Reality Creation MultiFunction V1) technology



Key Technologies

3LCD Chips The 3LCD technology at the heart of Sony's Grand WEGA™ televisions provide a bright picture, with high detail and natural color. These three key benefits are immediately apparent when viewing a Grand WEGA™ TV. You can expect to see an incredibly detailed picture with eye-popping colors. Sony uses three tiny LCD chips (0.73") with a combined resolution of over 2.76 million pixels. The light from a high output UHP lamp shines into a filtering system that splits the beam into red, green, and blue light streams. Each color goes through its own LCD chip, which passes or blocks the light. The three beams are then instantaneously recombined and sent to the projection lens.

WEGA Engine™ System The WEGA Engine™ system is the core video processing system that was designed based on Sony's expertise and long heritage in bringing cutting-edge picture quality to TVs for consumers. Its fully digital signal-processing path includes video processing functions that have been designed and optimized using Sony's video experience to improve overall picture quality. The WEGA Engine™ includes:

- > High-speed A/D (analog-to-digital) converters for wide-range gradation capture of analog signals
- > 3-D Y/C Comb Filter for minimizing cross color and dot structure artifacts
- > Digital MPEG Noise Reduction Circuit, which reduces MPEG artifacts such as "block noise" and mosquito noise" caused by the compression used to maximize bandwidth in digital broadcasts
- > Digital Temporal 3-D Noise Reduction (pixel-by-pixel basis)
- > Digital Motion Adaptive I/P (interlace-to-progressive), as well as Edge Adaptive I/P deinterlacing conversion, which improves resolution in video with motion

Cinema Black Pro Cinema Black Pro is an exclusive Sony function designed to improve contrast expression especially in darker scenes. The Cinema Black Pro function is enabled by using either one or both of two features - Iris Control and Advanced Iris. The Iris Control function sets the maximum size of the iris opening and sets the overall level of brightness. There are several settings that allow the user to adjust the iris opening to best match the room lighting conditions. The Advanced Iris function is a dynamic adjustment that automatically opens and closes the iris according to the gamma level of the picture on the screen. There are several different adjustments that optimize viewing for movies, music videos, sports, and news.

HDMI™ (High Definition Multimedia Interface) and PC Connectivity Designed for maximum versatility, Sony's Grand WEGA™ 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 digital audio to provide matchless image and sound reproduction. PC connectivity is also accommodated via HDMI so now you can use your Grand WEGA TV with your PC.



Features

General

Auto SAP: Yes

Video Label: Yes

Video

Screen or Display Technology: 3LCD

Tuner: ATSC (8VSB terrestrial) with QAM on Cable

Video Processing: Gamma Adjustment

Color Temperature: Yes

Cinema Black Pro: Includes Iris and Advanced Iris control

Screen Modes (16:9): Wide Zoom, Normal (480 only), Full, Zoom

DRC® Mode: Yes

DRC® Palette Presets: Yes

Horizontal Correction: Yes

Color System: NTSC

Vertical Position: Yes

Audio

Sound Mode: Dynamic, Standard, and Custom

A/V Synch: Yes

SRS® TruSurround® XT Audio Effect: Yes

Dolby® Virtual Surround: Yes

Convenience

Channel Label: Yes

Channel Skip/Add: Yes

Channel Jump: Yes

Favorite Channel: Yes

Parental Control (V-Chip): Yes

Sleep Timer: Yes

Timer Events: Yes (2 events)

Caption Vision: Yes

Clock: Yes

Picture Freeze: Yes

Specifications

General

Aspect Ratio: 16:9

Screen Size: 50"¹

Video

Native Resolution: 1280 x 720

Viewing Angle: 130° Horizontal / 60° Vertical (Recommended Viewing Angle)

Panel Type: LCD Chip Size = 0.73"

Noise Reduction: Yes

Speed Surf™ Channel Selection: Yes

Inputs and Outputs

Analog Audio Input(s): 5 (1 Side / 4 Rear)

Audio Out (Variable/Fixed): Yes

Component Video (Y/Pb/Pr) Input(s): 3 (1 Side / 2 Rear)

Composite Video Input(s): 3 (1 Side / 2 Rear)

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

HDMI™ Connection(s): 2 (2 Rear) One with analog audio input and one without analog audio input

Optical Audio Output(s): Yes. Dolby Digital

Dimensions

Weight: 64.15lbs (29.1kg)

Measurements: 46.61" x 32.56" x 16.06" (1184 x 827 x 408mm)

Supplied Accessories

Remote Control (RM-YD010)

Instruction Manual

Quick Set Up Guide

Warranty Card

Optional Accessories

SU-RG12L (Optional AV Stand)

XL-2400 (100W Replacement Lamp)

1. Screen Size measured diagonally.

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Features and specifications are subject to change without notice. Non-metric weights and measures are approximate.



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