

Key Features

- HD (1280 x 720) Picture Resolution (LCD Chip)
- 3 LCD Chips (R/G/B); 921,600 Pixels Each
- Advanced Iris function for excellent contrast ratio
- 2 HDMI (Rear) & 3 Component Inputs (1 Side/2 Rear)
- HD (1280 x 720) Picture Resolution (LCD Chip)
- 3 LCD Chips (R/G/B); 921,600 Pixels Each
- Advanced Iris function for excellent contrast ratio
- ATSC Integrated Tuner
- HDMI (High Definition Multimedia Interface - 1080i) 2 (Rear)
- HDV Camcorder Component connection - 480i, 720p, 1080i (Side)



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

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 overall brightness and contrast.

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.



KDF-42E2000

42" Class 3LCD Rear Projection Television (41.5" diagonal)

Features

General

Video Label: Yes
Closed Captions (CC): Yes

Video

Panel Type: LCD Chip Size = 0.73"
Video Processing: Yes (WEGA Engine™ HD System; Black Corrector; Color Corrector; Clear White; Gamma Adjustment)
Color Temperature: Cool, Neutral, Warm
Noise Reduction: Yes
CineMotion® Reverse 3:2 Pulldown Technology: Yes
Advanced Iris: Yes
DRC® MultiFunction Circuitry: Yes (DRC MF V1.0)
DRC® Mode: Yes
DRC® Palette Presets: Yes
Color System: NTSC
Vertical Position: Yes
Display Technology: 3LCD
High Definition: Yes (720p)

Audio

A/V Synch: Off/1/2/3
SRS® TruSurround® XT Audio Effect: Yes
Dolby® Virtual Surround: Yes
Auto SAP: Yes
Steady Sound® Automatic Volume Control: Yes
Dolby®: Dolby® Digital (AC3/ATSC only)
SRS®: SRS® TruSurround® XT Audio Effect

Convenience

Channel Label: Yes
Channel Skip/Add: Yes
Channel Jump: Yes
Favorite Channel: Yes
Speed Surf™ Channel Selection: Yes
Parental Control (V-Chip): Yes
Programmable Timer: Yes
Sleep Timer: 15, 30, 45, 60, 90, 120, Off
Timer Events: Timer 1, Timer 2
Caption Vision: On, Off, Program
Clock: Yes
Picture Freeze: Yes
Remote Control: Yes

Specifications

General

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

Display

Viewing Angle (Right/Left): 130°
Viewing Angle (Up/Down): 60°

Screen Size (measured diagonally): 42" class (41.5")

Native Resolution: 1280 x 720
Display Resolution: 1280 x 720p (HD)

TV System

Tuner (Cable): QAM
Tuner (Terrestrial): ATSC (8 VSB)

Video

Horizontal Center: Yes (+5 to -5)

Audio

Audio Power Output: 20W (10W x2)
Sound Enhancer: Dynamic, Standard, Custom

Inputs and Outputs

Component Video (Y/Pb/Pr) Input(s): 3 (2 Rear/1 Side)
Composite Video Input(s): 3 (2 Rear/1 Side)
S-Video Input(s): 1 (Rear)
PC Audio Input(s): 1 (Rear)
PC Video Input(s): 1 (Rear)
Optical Audio Digital Output(s): 1 (Rear) Dolby® Digital
Analog Audio Input(s) (Total): 5 (4 Rear/1 Side)
Audio Out: 1 (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): 200W
Power Consumption (in Standby): 0.8W

Regulation and Standard Compliance

Energy Star® Compliant: Yes

Service and Warranty Information

Limited Warranty: 1 Year Parts / 1 Year Labor

Dimensions

Weight: 55.8lbs (25.3kg)

Supplied Accessories

Remote Control (RM-YD010)
Instruction Manual
Quick Set Up Guide
Warranty Card

Optional Accessories

SU-RG11S (Optional AV Stand)
XL-2400 (100W Replacement Lamp)

UPC Code: 027242700222

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1. For supported resolutions and timings please refer to user manual
2. Screen Size measured diagonally.

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