

The audio system of the Grand WEGA™ television incorporates TruSurround® sound. This virtual three dimensional surround sound process consists of a multi-amplifier audio system to independently drive this three-way, six-speaker system and places individual audio channels where they are supposed to be. Positioned at either side of the screen, the six-speaker system provides powerful, dynamic sound reproduction, adding to the complete home theatre experience.

CONNECTIVITY

- A/V inputs (4)
- S-video inputs (3)
- HD Component Video Inputs (2) 480i/480p/720p/1080i
- RF inputs (2)
- TV and Audio outputs
- Control "S" in and output

Let's compare the Grand WEGA rear projection LCD technology to a CRT rear projection and Plasma display televisions.

	60" Grand WEGA™ LCD RPTV	CRT RPTV	Plasma
Convergence	Not Needed	Needed	Not Needed
Picture Flicker	NO	YES	NO
Image "Burn-in"	NO	YES	YES
Magnetic Shielding	Not Necessary	Needed	Not Needed
Vertical Viewing Angle	60 degrees	34 degrees	160 degrees
Replaceable lamp	YES	NO	NO
Small Tabletop Design	YES	NO	YES

* Lamp life depends on user settings.

Specifications

- **16:9 Aspect Ratio**
- **High-Definition Television Monitor**
- **Three Wide XGA LCD Panels**
- **3.15 Million Dots Resolution (1366 x 768 x 3)**
- **1.05 Million Dots Resolution (1366 x 768) each LCD Panel**
- **HD Component Video Inputs (2) (1080i/720p/480p/480i)**
- **DRC™ (Digital Reality Creation™) Circuitry (progressive)**
- **CineMotion™ Reverse 3-2 Pull Down Technology**
- **Contrast Screen with Double Anti Reflective Coating**
- **First Surface Mirror**
- **3D Digital Comb Filter**
- **Multi-Image Driver X (MID™ X) Circuitry**
- **Flexible Twin-View™ 2-Tuner Picture-and-Picture (HD, NTSC)**
- **Wide Modes (Normal/Full/Zoom/Wide Zoom)**
- **TruSurround® Sound/Virtual Dolby® Surround Sound**
- **3-Way 6-Speaker Audio System/(30 Watts)**
- **A/V Inputs (4), S-Video (3) (including Front Inputs)**
- **Control S (in/out) / TV Out / Audio Out**
- **Power Consumption: 210W; 0.5W standby**
- **Energy Star® Compliant**
- **Dimensions: 63 3/4" W x 43 1/2" H x 21 3/8" D (1618mm x 1102.5mm x 542mm)**
- **Weight: 146 lbs. (68kg)**
- **Optional Stand: SU60DX**
- **Stand Dimensions: 63 7/8" W x 17 5/8" H x 23" D (1624mm x 445.5mm x 599mm)**
- **Stand Weight: 160 lbs., 15 oz. (73kg)**

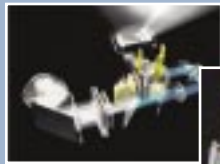
GRAND
WEGA™



Sony's 60" Grand WEGA™ 16:9 LCD Rear Projection Television

What is a Grand WEGA Television?

Powered by Sony's proprietary Optical Engine, the Grand WEGA television consists of **three wide high-resolution XGA LCD panels, a unique 11-element lens system, and a 100watt Ultra High Pressure lamp** just to name a few of the unique elements that make up this High Definition Monitor. This new television displays crisp, clear, brilliant images regardless of the source.



Optical Engine



Wide XGA LCD Panels



Multi-Lens System

How Does it Work?

Unlike CRT rear projection TV's that use three CRTs (picture tubes) with lenses (one for the color red, one for blue, and one for green) the Grand WEGA TV uses three (3) small (1.35 inch) wide LCD panels that deliver an image like no other. The image is driven by a 100-watt lamp that is directed through the three wide LCD panels one for each color: red, green and blue. These panels are made up of 1.05 million pixels per panel. The video source feeding the Grand WEGA TV turns the pixels "on" and "off" to create the bright, colorful image that passes through the 11-element lens system, which in turn is projected to the screen for the image that you see.

Picture Performance.

The Grand WEGA LCD rear projection television has a native resolution of 768 progressive and accepts all ATSC formats including 1080i and 720p high-definition signals when paired with an external HDTV set-top box via the HD component video inputs. DVD players that display 480 progressive are also supported. The set automatically converts all content to a high-resolution progressive output for a picture that is more realistic and consistent than anything previously experienced.

Digital Reality Creation™ (DRC™) – Standard TV signals look much better thanks to Sony's Digital Reality Creation™ circuitry that takes a "regular" interlaced analog signal (480i) and converts it to display a crisper, sharper, 768 progressive scanned images.

CineMotion™ – Also featured is CineMotion™ reverse 3:2 pull-down technology. This process minimizes motion artifacts caused when 24-frame-per-second film is transferred to 30-frame-per-second video and is displayed.

Superb Picture Quality – Combine both technologies mentioned above and the end result is a superb picture with improved sharpness and enhanced image dimensionality from any source. So with film and video based sources you know that you are always getting the very best in picture quality.

Advantages

- **High Resolution Image Quality** – The Optical Unit of the Grand WEGA TV utilizes three wide XGA LCD panels that are 1.35 inches in size. One panel for each color: red, green and blue. These panels are made up of 1.05 million pixels per panel. This breakthrough technology provides a total picture resolution of 3.15 million "dots" for crisp precise detail across the entire screen.
- **No Phosphor "Burn-In"** – Conventional type CRT technology uses 3 CRTs that contain phosphors that are "flashed" to produce a picture. This technology could eventually lead to "image burn in" if a still (non-moving) image is left on screen. The Grand WEGA television employs three LCD panels that eliminate phosphor "burn-in".
- **Precise Alignment** – The Grand WEGA television uses two dichroic mirrors to filter out the red, green and blue colors into separate rays of color. These rays are then channeled through three separate LCD panels. These rays are then passed on to a dichroic prism where the red, green, and blue colors are combined. This convergence process takes place inside the optical engine eliminating mis-convergence on the screen. The panels are fixed in place at the factory, assuring their alignment is maintained. Another plus is that the Grand WEGA is not sensitive to magnetic fields, so an unshielded speaker can be placed near the set. The end result is a precise image that is sharp and clear.
- **Minimal Picture "Flicker"** – Grand WEGA TV uses a constant light source and is a "fixed pixel" type of display so you won't see image "flicker" that you might see with CRT rear projection televisions.

- **Easy Lamp Replacement** – One of the greatest benefits of the Grand WEGA television is it's life span. The only thing that you will ever need to do is change the easily replaceable lamp every now and then (approx. 6,000 - 8,000 hours)* to keep the Grand WEGA TV picture looking as good as the day you opened it.
- **Better Vertical Viewing Angle** – Grand WEGA TV utilizes a super fine pitch lenticular screen to reduce light reflection and glare while providing a wider vertical viewing angle. A series of fine pitch stripes helps maintain a high resolution picture and a vertical viewing angle of 60 degrees compared to 34 degrees for conventional CRT type projection TV's.
- **Natural Colors** – Thanks to the three High Resolution wide XGA LCD panels and a digital uniformity circuit, a technology that corrects for color variances for every 128 dots, the Grand WEGA TV produces an image that is natural in color across the entire screen.
- **Flexibility** – Grand WEGA TV has a number of inputs and outputs to accommodate practically any source. So, connect DVD, DSS, Cable or High Definition and you'll be amazed by the "lifelike" images.
- **Large Wide Screen** – The 60" 16:9 wide screen display is the ideal format for viewing DVD and HD sources. This wide screen display allows for all of the picture information to reach the screen just as the movie producer intended. Since all True high definition signals are a 16:9 aspect ratio, the Grand WEGA TV is able to use its full display resolution to display spectacular images.
- **Minimum Space Requirements** – Weighing in at just 146 pounds with a depth of less than 22 inches the Grand WEGA TV was created for consumers seeking not only the very best in picture performance but also for the customer who wants to maximize their home theater viewing experience.



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