

Plasma Displays



CV-50 50-inch HD-2 Plasma Display shown with optional **SOUND-ART** speaker frame in black



CV-43 43-inch HD-2 Plasma Display shown with standard frame in piano black

Crystal View's Model CV-50 and CV-43 Plasma Displays in the unique **SOUND-ART** (pat. pending) loudspeaker frame, are a beautiful and complete audio-video system.

To achieve their exceptional video image quality, each individual Crystal View Plasma Display is mated with its own CV-NNR1, state of the art video-scaler. They are calibrated as a set, by our ISF qualified technicians before shipping, to optimize the picture quality of each one including an accurate 6500 degree color temperature. Crystal View assumes total responsibility for the image quality of the CV-50 and CV-43 and backs that up with one of the nation's largest factory service facilities.

The standard Crystal View Plasma Display frame is also a work of art. A beautifully finished, one-piece frame, it looks splendid on the wall whether the Plasma Display is on or off. The standard clear-coated black gloss finish makes the picture look even brighter and sharper, but, like all Crystal View products, it is available in your choice of any matched color or several wood-grain finishes at no extra cost.

However, it is the optional **SOUND-ART** loudspeaker frame that delivers it all - an enhanced video image and room filling, audiophile quality sound. With **SOUND-ART**, you need no longer suffer the visual distraction of floor-standing, wall-mounted, or in-wall loudspeakers to get high quality sound with your Plasma Display.

SOUND-ART is the result of the collaboration of Crystal View and Snell Acoustics. Each of the loudspeakers in the **SOUND-ART** Frame integrates two 5.25-inch long-throw woofers and a 1-inch aluminum dome tweeter arranged in a D'Appolito Array, named for Snell's chief engineer. This array enhances the loudspeakers midrange clarity by reducing audible ceiling reflections. The final result is full range performance from 55 Hz to 22 kHz at levels up to 103 dB SPL using amplifiers from 25 to 150 watts per channel. The 6-ohm loudspeakers are also exceptionally sensitive, achieving 90 dB SPL with just 1 watt of power, which means they can play quite loud when simply attached to the plasma panel's own internal amplifiers.

The **SOUND-ART** frame matches the depth of the plasma panel itself so there is no additional depth to the combination. For maximum rigidity, the frame is machined and laminated from of furniture grade MDF wood. The loudspeakers are enclosed with Snell's Quiet Box Technology in which a dampening layer of Noise Killer™ is sandwiched between an inner and outer box layer. This structural integrity assures smooth bass response without resonance, even at very loud levels.

The **SOUND-ART** speaker frame itself sells for no more than you should expect to pay for a pair of free-standing loudspeakers with similar performance. But, when it is placed on one of Crystal View's exceptional plasma display panels, the result is an unparalleled on-wall audio-video system.



Crystal View Plasma Display Features and Specifications

Superior Grayscale Rendering

Crystal View Plasmas use a Technology called Advanced Continuous Emission Display to achieve excellent grayscale rendering in dark areas, where conventional plasmas perform poorly. 10-bit sampling per color pixel, rather than the usually 8-bits, increases gray shades and produces smooth transitions from black to gray, with grayscale rendering about 16 times better than other plasma displays.

Unparalleled Bright, High Contrast, Accurate Color Images Displayed with No Flickering

One of the main technologies behind our panel's amazing performance is their unique Deep Encased Cell Structure. Compared to the low rows of cells used in other plasma displays, the Deep Encased Cells increase phosphor area by over 40 percent and prevent light leakage from neighboring cells. Luminous efficiency is much higher, so the screen is much brighter and clearly visible under all conditions.

Pure Color Filter Improves Contrast

Our displays use a new Pure Color Filter that greatly decreases external light reflectivity (as much as 30% depending on conditions). The result is significantly higher contrast, providing an extremely clear display in bright environments. At the same time, it optimizes the components of the red, green and blue light by filtering out undesirable colors to display greatly improved image reproduction.



loud speaker array of **SOUND-ART**

PARAMETER	CV-50 HD	BOTH	CV-43 HD
Image size/Format	50-inches/16:9		43-inches/16:9
Native Resolution	1280 x 768		
Brightness/Contrast ratio	117 FL/1000:1		
Source aspect ratios/Zoom	4:3,Lbox,16:9/2 levels		
Number of Inputs	8: composite, S-Video, RGB, or component		
Input Memories	2 per input for all variable settings		
Input Features	Adaptive 3 or 4 line combfilter, 10 bit A/D		
Video Standards	NTSC (all) PAL (all) Secam (all) autoselected		
Film/Video sources	Automatic 3:2 or 2:2 pull-down reconstruction		
Deinterlacing	Per-pixel motion adaptive		
Remote Control	Infrared with on-screen menu-based control		
Warranty	1 Year Limited		
Dimensions/Weight:			
With Sound-Art speaker frame	68"W x 32"H x 3 7/8"D 135 lbs	62"W x 28 3/4"H x 3 7/8"D	122 lbs
With Standard Frame	58"W x 38"H x 3 7/8"D 85 lbs	48"W x 31"H x 3 7/8"D	72 lbs
CV-NNR1 Scaler	17"W x 10"D x 3.5"H 3 lbs		

To ensure optimum performance, Crystal View, Inc. custom calibrates each Plasma Display with its matched CV-NNR1 video processor/scaler before it leaves the factory.