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What are Plasma televisions?

By richard gazzo

What are Plasma televisions?

Televisions previous to the Plasma TV explosion used the (CRT) cathode ray tube to give users the ability to watch television. CRT televisions works by shooting out a beam of negative charged particles called electrons into a large glass tube. These negative electrons

For the past 75 years, the vast majority of televisions have been built around the same technology, the cathode ray tube (CRT). In a CRT television, a gun fires a beam of electrons (negatively-charged particles) inside a large glass tube. The electrons illuminate phosphor atoms inside the tube (screen), this allows the TV picture to be produced by illuminating different areas of the phosphor coating, this is what gives you the CRT television.

Now welcome to the new face of television, Plasma TV. Plasma has taken the home theater market by storm because of their amazing picture quality and very thin design. The idea of plasma display panels began in 1964 at the University of Illinois. The first displays were very primitive using only points of light created in the laboratory. As time went on digital processing, and other technology, made vivid plasma displays a reality.

Plasma televisions use a much different type of technology than CRT models, they use something called pixels. Using a video signal the pixels on the flat screen light up with a high-energy beam of electrons that are separated into the 3 primary colors, red, green and blue. From the illuminated fluorescent lights pixels you get the full color spectrum that produces a full range of colors that give you the image on the screen. Each pixel on the screen has three fluorescent lights in it, a green, red and a blue fluorescent light. Each fluorescent light in the pixel can produce 16 million colors, giving you amazing colors and overall picture quality that you can't find in regular CRT televisions.

Another feature that you can't find in CRT TVs is the widescreen design found on Plasma televisions. The (16:9) aspect ratio is the same dimensions used in movie theaters. This feature gives Plasma flat screen high definition television models a cinematic feel, that is great for watching feature films, concerts, Monday Night Football or anything else you can imagine.

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And unlike conventional television models, there are no scan lines on plasma televisions, so the picture is much sharper. The viewing angle is far superior than CRT, there is 170 degree viewing angle so you can basically watch the TV from any area in the room. As I mentioned before Plasma TVs are very thin, only 3.3 inches in width. This makes them perfect for hanging on your wall, freeing up space in your home. Just like a picture frame, you can now hang your television on your wall!

So who manufactures these thin TV displays? You can choose from numerous brand names which I'm sure you are familiar with such as, Sony, Sharp, Hitachi and Samsung to name a few. Plasma isn't the only technology available if you are a HDTV buff, you should also check out LCD televisions and rear projection TVs.

And if you want to find a cheap plasma TV, check out the discount deals available through internet, particularly Amazon.com and Ebay.com. Those 2 online merchants are trusted and can offer not only

new, but used and refurbished models for even bigger savings.

Richard Gazzo is a successful writer with info plasma tv reviews . Find information on Sony plasma TV, Pioneer, Samsung plasma TV models and more. Find reviews on models such as the Pioneer pdp-4350hd, and the Panasonic th-50phd8uk.

<http://www.hdtv-n-plasma-tv-reviews.com>

Why Choose A Plasma Television?

By Mark Barnes

Why Choose A Plasma TV

Still watching your programs on a standard CRT television?

Heard a lot about Plasma Television recently, but not sure why you would benefit from having this latest technology sitting in your living room?

Well, lets start with the basics, without the jargon! What is a Plasma Television?

Plasma televisions are a new type of display that uses technology different from other televisions. Although, Plasma televisions are not a new invention, but it has only been up until recently that this new technology is able to be produced cheaply enough for the consumer.

Plasma televisions use gas such as Xenon or Neon between two glass panels. Between these two panels are over 1 million pixels capable of producing over 16 million colours.

The gas is excited by a charge from an electrode, one pixel of the display, turning it into plasma. The pixels are illuminated by the plasma gas, producing the three primary colours and all the colours in

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between, creating the display we see on screen. A processor in the Plasma television controls which pixels are illuminated to which colour, controlling the images displayed.

How would a Plasma Television Benefit Me?

Plasma Televisions now are available in a range of sizes, alike the CRT. But the first main difference is the weight and size between both.

Due to the large glass tubes in the CRT televisions, these make them extremely heavy and bulky. As Plasma televisions do not have the glass tube, they are light in comparison, and due to their slim design, can be wall mounted or freestanding.

As mentioned before, due to the amount of pixels on the screen, the viewer would benefit from improved picture quality, sharper images, more vibrant colours with better saturation. Due to the nature of the technology within the Plasma television, the image won't get distorted from magnetism, even if you place your speaker above, below or to the side of the screen. Plasma televisions also benefit from high ambient light tolerance and better contrast, pure flat screen and a slim design.

Plasma televisions have better response times as opposed to LCD Televisions, and wider viewing angles at 160 degrees.

In addition to this, most Plasma Televisions have connections to connect to your Personal Computer system, which provide a large viewing area than the traditional computer screens.

So, with the better picture quality, slim and light weight design, compatibility, and latest technology, why not choose a plasma television?

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