

Samsung Showcases New 42" and 50" Plasma Monitors For PRO A/V Applications

October 18 2005

Samsung unveils three stunning new additions to its family of high-end plasma displays designed for the professional and commercial marketplace. The new plasma lineup includes the 42" high-definition PPM42M5H, the 42" standard-definition PPM42M5S and the 50" PPM50M5H. All new plasma monitors are currently shipping.

Samsung's new high-end plasma monitors are ideal display solutions for digital signage, financial, multimedia presentation and professional audio and video applications. All new plasmas offer a high 10,000:1 contrast ratio and 1,100 cd/m² brightness level. The 10,000:1 contrast ratio provides whiter whites, blacker blacks and greater shadow detail.

In order to achieve this high 10,000:1 contrast ratio, Samsung has developed an exclusive octal plasma pixel structure that increases the electrical separation between the pixels. This reduces the tendency for one pixel to influence the adjacent pixel, which increases the contrast. Samsung has also chosen a high-Xenon gas, which is up to 50% more efficient in generating brightness.

The 42" PPM42M5H features a high 1024 x 768 resolution and is true high-definition by matching the 720p HDTV format without the need for processing. The standard-definition 42" PPM42M5S is a more economical display solution incorporating a 852 x 480 resolution. The 50" PPM50M5H is perfect for use in presentation and digital signage applications and sports a 1366 x 768 resolution.

Samsung's latest family of plasma displays offer a gamut of advanced features that ensure outstanding image quality and performance. All models include Picture-in-Picture and Picture-by-Picture functionality that is ideal for videoconferencing and a built-in processor for "tiling" displays in a 2x2, 3x3, 4x4, 1x5 and 5x1 configuration, making the units perfect for video wall applications. In addition, the displays can be mounted either horizontally or vertically, terrific for electronic signboards and video advertising applications. For an array of display options, the plasmas feature variable aspect ratios with six separate modes including 16:9 and 4:3, and a 10x digital zoom and pan control.

Samsung's new lineup of plasma displays offer advanced Anti-Burn Technologies including Auto Pixel Shift that keeps the images moving imperceptibly and Samsung's Always White technology combines with its Signal Pattern Process to eliminate electrically charged residual images.

The new models feature an array of signal inputs for direct hook up to nearly any video source. Each display device includes inputs for composite video, component video that offers 480i/p, 720p and 1080i viewing, S-Video for gaming applications, DVI for digital video sources and an RGB input for use with a PC.

Source: Samsung

Citation: Samsung Showcases New 42" and 50" Plasma Monitors For PRO A/V Applications (2005, October 18) retrieved 19 April 2024 from <https://phys.org/news/2005-10-samsung-showcases-plasma-pro-av.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.