



Plasma Display Monitor

PDM-4210



Natural Black Drive System and ALIS Method Panel Technology Take Home Theater to a New Level.



d-cinema

42" Plasma Display Monitor that Delivers Incredibly Smooth, High-Definition Image Quality for an Exceptional Home Theater Viewing Experience.



PDM-4210
Plasma Display Monitor

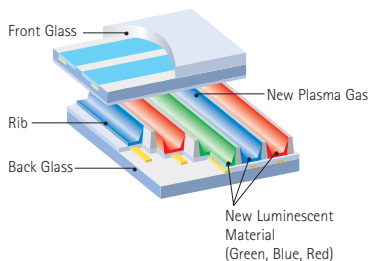
Movies have never looked better in the home than they do on this extraordinary plasma display monitor. HDTV and even other TV broadcasts will also look superb. For the finest in home theater viewing, as well as superior control, convenience and versatility, the PDM-4210 is the clear choice.

ALIS Method Panel

This plasma display panel uses an advanced ALIS (Alternate Lighting of Surface) Method to deliver a sharp, clear picture with the smooth, high-definition quality you see in a movie theater. The ALIS Method employs a screen surface comprised of vertical channels of continuous phosphor material. The pixels are defined electronically rather than physically, allowing each picture element to be smaller than normal. This creates a higher pixel count for a smoother, seamless picture, with edges and curves clearly defined.

The PDM-4210 uses the latest ALIS Method technology, which features new plasma gas and luminescent material that are more effective than previous types. The result is a brighter picture (1,100 cd/m²) and higher color temperature, which makes white areas such as clouds in the sky stand out more vividly. The panel can also display a wider range of colors (16.7 million), with enhanced color purity.

The ALIS Method Panel



NATURAL BLACK

Natural Black Drive System

Yamaha's Natural Black Drive System automatically determines the brightness of the screen and applies the gray scale (contrast) best suited to the scene in order to reproduce both bright and dark areas



The Natural Black Drive System allows the PDM-4210 to outperform other plasma displays with deeper blacks and sharper overall contrast.

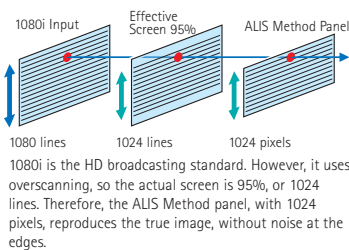


with small details clearly visible. The contrast ratio is an outstanding 1,000:1, making it possible for the PDM-4210 to deliver sharp, natural-looking images.

HDTV Capability

The PDM-4210 is fully HDTV capable, meaning that 1080i high definition images can be displayed line for line without vertical scaling. The 1,024 x 1,024 resolution provides a completely clean HDTV picture, with no noise at the edges. Other signals, such as 720p HDTV signals and conventional broadcasts, are converted up to 1080 progressive lines by a 1080p processor, for much higher image quality than with conventional displays.

True HDTV Picture Quality



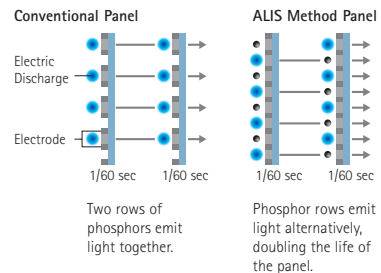
Digital Linear Color Control

Digital Linear Color Control continually maintains the ideal balance between the three main colors (red, green, blue) for optimum color reproduction in every scene from very dark to very bright. The sharpness and tint of each color are independently controlled, so you can adjust tint more precisely. Reception Quality Adaptive Noise Reduction and Luminance/Chrominance Transient Improvement technologies also help to ensure optimum picture quality.

Long Life of 60,000 Hours

Another benefit of the new ALIS Method is lower power consumption and longer panel life. The PDM-4210 will provide high quality images for 60,000 hours,* about twice as long as a typical CRT monitor.

* Until panel brightness reduced to 40%. Yamaha measurement.



Mode Selection for Best Picture Quality

The PDM-4210 offers several modes that allow you to adjust the picture to obtain maximum quality. There are two Picture modes (Day and Night), four White Balance modes (Normal, Cool, Warm, Black-White), and a Film mode for watching movies.

High Quality Sound



A digital amplifier supplies 12W x 12W of low-distortion stereo sound. SRS TruBass and Matrix Surround are provided, as well as four audio modes (Movie, Music, Speech, Favorite).

Other Notable Features

- Side-by-Side Picture
- Picture-in-Picture
- Multi-Language On-Screen Display
- Timer Functions
- Five Video and Five PC Size Modes
- Simple Remote Control Unit



PDM-4210 Inputs



RGB Inputs

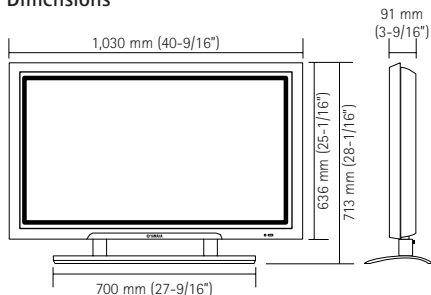
RGB1	DVI + audio
RGB2	RGB/Y, Pb, Pr + audio
Audio	3.4mm stereo mini jack

Control Terminal	RS-232C
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Video Inputs

Video1	CVBS/Y, Pb, Pr + L/R
Video2	CVBS/RGB/Y, Pb, Pr + L/R
Video3	CVBS and S-Video + L/R
Video4	CVBS/S/RGB + L/R

Dimensions



Accessory

PDS-242: Stand



Option

PWK-242:
Wall-hanging brackets

PDM-4210 Main Specifications

Effective Display Area (H x V)	922 mm x 522 mm, 1,060 mm diagonal
Aspect Ratio	16:9
Number of Pixels (H x V)	1,024 x 1,024 pixels (ALIS Method panel)
Pixel Pitch (H x V)	0.90 x 0.51 mm
Number of Colors (gray levels)	16.7 million colors (256 gray levels)
Transmission of Front Filter	Dark tint face 32%
Brightness (white peak)	Panel brightness: 1100 cd/m ²
Contrast Ratio (Panel)	1000:1
Video Signal	PAL/ SECAM/ PAL60/ NTSC4.43/ NTSC3.58/ PAL-M/ PAL-N
Component Signal	480i/480p, 576i/576p, 720p (60), 1080i (50/60), 1035i (60)
Analog RGB Signal	VGA-UXGA, 1080i (50/60)
DVI RGB Signal	H: 31-60 kHz V: 56-85 Hz Dclk: 20-80 MHz
Speaker Output	L+R (12W+12W at 6 ohms)
A/V Output	1 (CVBS+L/R): RCA pin
Picture Modes	2 (Day, Night)
White Balance Modes	4 (Cool, Normal, Warm, Black-White)
Sound Modes	4 (Movie, Music, Speech, Favorite)
OSD Languages	English, French, Spanish
Timer	Yes
Side by Side Picture	AV-input & AV-input
Picture in Picture (PC)	(main) PC, (sub) Video-X: X=1, 2, 3, 4
Wide Mode (Picture Size)	Video modes: 5 (Panoramic, Zoom, Cinema, Full, 4:3) PC modes: 6 (Full, Real, Normal, Zoom1, Zoom2, Zoom3)
Power Consumption	365 W
Standby Power Consumption	Less than 3 W at AC100-AC240V
Dimensions (W x H x D)	1,030 x 636 x 91 mm (monitor) 40-9/16" x 25-1/16" x 3-9/16"
Weight	35.2 kg; 77.6 lbs.



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