

marantz®

Plasma Monitor

PD4220V



PD4220V Plasma monitor

It's the display of your dreams, pure entertainment that brings a fantastic home theater experience into your living room. The Marantz PD4220V plasma display turns every movie into a blockbuster, every sport into a sensation and every concert into a memorable occasion. Its big 42-inch (106-cm) multimedia display uses the latest-generation plasma technology to produce a large bright image for maximum multimedia involvement. Finished in a subtle gunmetal gray color, it's slim enough for mounting on your living room wall, and looks great on a table or cabinet. A wall bracket and matching table stand are available separately. Put it at the heart of your entertainment environment.

NEW



R A N G E S E R I E S

because music matters

Features

- Plasma monitor
- Compatible with PC signals up to UXGA, HDTV signals, and PAL, NTSC and Secam transmission signals
- High quality de-interlacing
- Digital Luminance Transient Improvement
- Digital Color Transient Improvement
- Accublend scan converter
- A multitude of inputs; Composite, S-Video, Component RGBhv, RGB and DVi
- Intuitive on screen menu
- Build in power amps for external speakers

Benefits

- High quality picture performance with natural colors
- Full compatibility regardless the source or resolution
- Provides the most accurate reconstruction of the original film content without motion artifacts
- Ensures a sharp and accurate image
- Assure clear, distinct colors without smearing effect
- Automatically converts the resolution of the source to the native resolution of the screen
- A host of multimedia resources can be easily connected
- Easy to setup and operate with direct on screen feedback
- Sound reproduction via you're a speaker system of your choice

Technological glossary:

Making a big impression

The PD4220V pushes the limits of picture performance to new extremes for multimedia entertainment in your home. With its large screen size, plasma display technology is the best way to realize a flat panel display with outstanding image quality. This Marantz plasma has a stunning 1500:1 contrast ratio and a beautiful color reproduction for a crisp and vivid image quality which will transform data from any medium into art. The PD4220V incorporates advanced digital image enhancing techniques, and as you expect from a Marantz, its picture performance is balanced by exceptional good looks. It perfectly complements your AV tuner and surround sound system, at the heart of your home theater.

Plasma technology for perfect color reproduction

A plasma display comprises an array of cells (or 'pixels'), each composed of three sub-pixels corresponding to red, green and blue. In each sub-pixel gas in a plasma state reacts with phosphors to produce colored light. Since these phosphors are the same types used in conventional CRTs, so you get the rich, dynamic colors you expect. Each sub-pixel can produce over 16 million colors. Plasma technology in addition is not affected by magnetic fields and has no color drifts and edge distortion. And all of this in a display that is less than 89 mm (3.5 inches) thick!

Motion-compensated de-interlacing

A conventional TV image is interlaced, where each 'frame' is built up from two interlaced image fields that are view simultaneously. However, when viewing interlaced video on non-interlaced TVs (like plasma) that display the interlaced images sequentially, an artifact known as 'tear' is visible. Tearing is due to both fields showing the object moving at slightly different times. The Marantz PD4220V has a motion compensated de-interlacer that merges the two fields to faithfully reproduce the original frame without unpleasant motion artifacts.

Digital transient improvements

Behind the scenes, advanced digital image processing algorithms optimize picture quality, leaving you free to enjoy the ultimate viewing experience. Digital Color Transient Improvement (DCTI) reduces color smear at the vertical edges of bright colored areas on the TV image whereas Digital Luminance Transient Improvement (DLTI) enhances contour detail in scenes for a sharper, more natural picture.

Black level expansion

Black level expansion creates richer, deeper black tones. It dynamically analyses every image and literally 'stretches' dark areas to a realistic black while leaving light areas untouched. The result is better contrast, without black areas looking gray if you increase the picture brightness.

10-Bit digital gamma processing

The PD4220V uses a high-performance, 10-bit digital gamma processing circuit to optimize the non-linear imaging characteristics. It is far superior to conventional analogue and lesser bit-rate gamma processing; this circuitry delivers natural colors and smooth image graduation.

4H digital comb filter

Unlike the lower quality comb filters, the 4H Comb Filter in Marantz LCD TV's separates signals for brightness and color with an advanced technology. The processing of RF and composite video signals is done far more accurately for a sharper, cleaner picture. In addition the filter reduces discoloration in fine detailed area in a picture and provides good overall color purity. This clearly separates color boundaries and making images softer and cleaner. Detail noise is reduced significantly. This noise can normally be seen as shimmering or flicker, in complex or intricately detailed scenes.

Universal display capabilities

The PD4220V is compatible with composite and S-Video signals from NTSC, PAL, SECAM, HD, DVD and DTV inputs plus RGB from a computer at VGA, SVGA, XGA, SXGA or UXGA resolutions. The accublend scan conversion automatically converts the PC signals to the native resolution of the display. It has a multitude of inputs to ensure that a host of multimedia resources can be easily connected and displayed as brilliantly as intended. Whether you want to view a sporting event, a DVD movie, a satellite broadcast or surf the Internet with incredible big screen impact, this fantastic plasma monitor will accommodate your needs.

Bypacked accessories

- User manual
- Power cable
- Remote control
- Batteries

RC4240PD



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FEATURES

Supported PC Resolution: VGA / SVGA / XGA / SXGA / UXGA
 Supported Video Formats: NTSC 3.58, 4.43 / PAL N, M, B/G / SECAM
 Supported HD Formats: TD 1080i
 NTSC Video Playback
 PICTURE PROCESSING
 Digital Colour Transient Improvement (DCTI)
 Digital Luminance Transient Improvement (DLTI)
 Digital 4h Comb filter
 3D Motion Adaptive Scan
 3:2 Pull Down
 Digital Luminance Peaking
 Black Level Expansion
 Control: Sharpness / Contrast / Brightness / Colour / Tint
 Colour temperatures
 Selectable Aspect Ratio Modes
 Picture Modes
 AccuColor Control System
 Video wall
 Digital Zoom

OTHERS

Multilanguage On Screen Display (OSD)
 Child Lock (front panel operation)
 Sleep Timer
 Last Status Memory

INPUTS/OUTPUTS

Composite Video In 2 (BNC & RCA)
 S-Video In 1
 Component In (Y, Cb/Pb, Cr/Pr) 1
 Component/RGBhv in (BNC) 1
 Scart In/out (RGB) -
 RGB/HD In/out (D.Sub 15-pin) 1
 DVi-D In (for PC) 1 (without HDCP)
 HDMI in -
 RS232C
 Remote Control In/Out
 Video-data In (3.5 mm) -
 Audio In 3
 Audio Out (Amplified)

SPECIFICATIONS

Visible Screen Diagonal 42"
 Aspect Ratio 16:9
 Resolution 853 x 480
 Pixel pitch 1.08 x 1.08 mm
 Contrast Ratio (Dark Room) 1500:1
 Brightness 440 cd/m²
 Anti-reflex Coated Panel (Polarizer)
 Output Power (6 Ohm RMS) 8 Watts
 Power Supply (DC input) AC100 - 240V 50/60Hz

GENERAL

Colour: Grey/black Gunmetal
 Remote Control RC4240PDD
 Power Consumption 270 Watts
 Standby Consumption 0.9 Watts
 Maximum Dimensions (W x D x H) 1018 x 610 x 89 mm
 Weight 28.5 kg

Design and specifications are subject to change by Marantz without notice.

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