

Frequently Asked Questions

Dolby® Professional Reference Monitor PRM-4220

Introducing the Dolby® Professional Reference Monitor, the most accurate monitor for creating any type of entertainment content

What are the key features of the Dolby Professional Reference Monitor?

The Dolby® Professional Reference Monitor renders true black levels with highly accurate dark detail, the most precise color accuracy possible, wide dynamic range, and a very high contrast ratio at all luminance levels in all formats.

How accurate is the monitor?

The Dolby Professional Reference Monitor is the first monitor that can actually display 100 percent of DCI P3. While other monitors claim color accuracy at a particular point in brightness, the color accuracy of the Dolby Professional Reference Monitor maintains precise linearity across the entire gray scale.

What color spaces/gamuts does the monitor support?

The Dolby Professional Reference Monitor supports Rec. 709, SMPTE C, EBU, DCI P3, emerging 12-bit formats, and user-defined custom white point.

How can the Dolby Professional Reference Monitor achieve true black levels with exceptional dark detail, precise color accuracy, wide dynamic range, and a high contrast ratio when other flat-panel monitors cannot?

The backlight of the Dolby Professional Reference Monitor consists of 1,500 RGB LED triads, with the light from each red, green, and blue element independently controlled frame by frame to create a full-color image. This image, together with the image on the LCD panel, produces the final image—one of extended dynamic range with the widest and most accurate color gamut available in a flat-panel monitor.

What size is the monitor?

The Dolby Professional Reference Monitor features a 42-inch (diagonal) LCD flat-panel display with a resolution of 1920 by 1080 pixels and a refresh rate of 120 Hz.

What size is the viewing angle of the monitor?

The Dolby Professional Reference Monitor delivers a spaciouly wide-angle viewing area of 90 degrees horizontal (45 degrees on either side of the center point).

How does the Dolby Professional Reference Monitor compare to the Sony BVM-D series monitor, the long-time industry standard?

The Dolby Professional Reference Monitor is the first flat-screen monitor that truly betters a CRT. The Dolby Professional Reference Monitor can natively display Rec. 709, SMPTE C, EBU, and DCI P3, as well as user-defined custom gamuts, with complete confidence of accuracy. While Sony BVM-D series monitors provide a high level of performance for high-definition images, they are SMPTE C and can only emulate Rec. 709 color space.

Why is the Dolby Professional Reference Monitor the industry standard?

The Dolby Professional Reference Monitor was designed in partnership with cinematographers, colorists, and color scientists to ensure it provides the highest levels of precision, accuracy, and performance that the industry requires in a reference monitor. The monitor is already being used by several leading facilities. Many leaders in the content creation industry are already calling the Dolby Professional Reference Monitor the next industry standard.

Why should I be interested in the Dolby Professional Reference Monitor for my workflow?

The Dolby Professional Reference Monitor is relevant to all content creators who require accuracy and precision in their workflows and finished products. No other monitor can match the accuracy or precision that the Dolby monitor delivers.

Can the Dolby Professional Reference Monitor be used for high-definition and digital intermediate color grading?

True blacks with exceptional dark detail, precise colors, wide dynamic range, and a high contrast ratio make the Dolby Professional Reference Monitor an excellent choice for use with the most advanced color correction systems. Through the use of 3D look-up tables to emulate the full gamut and contrast ratio of film, as well as the color profile of digital cameras, the Dolby Professional Reference Monitor makes DCI P3 color grading possible without using a digital projector.

What are the benefits of using the Dolby Professional Reference Monitor as part of the digital camera acquisition process on location or on the set?

The Dolby Professional Reference Monitor was the first monitor with the latitude to display the full dynamic range that the latest advanced digital cameras can capture. This allows cinematographers to achieve perfectly exposed images because they can accurately view all of the image detail in the darks and highlights that other monitors typically clip.

How does the Dolby Professional Reference Monitor help customers save money in their workflows?

The Dolby Professional Reference Monitor allows facilities to perform digital intermediate workflows without the need for an expensive digital projector. This means they can do more work in smaller rooms within their facilities, which means more revenue per square foot.

How does the emulation mode of the Dolby Professional Reference Monitor help customers save money?

By emulating virtually any other display device, the Dolby Professional Reference Monitor replaces an entire collection of monitors that may currently be used for color grading, mastering, and quality control.

What warranty comes with the monitor?

Dolby's standard warranty is included with the purchase of the Professional Reference Monitor PRM-4220 for a term of one year. The warranty includes access to phone and on-site support. It also includes three years of software support, providing bug fixes and updates.

Is an extended warranty available for the monitor?

An extended warranty is available for the Dolby Professional Reference Monitor. It is priced at \$3,750 per year. The extended warranty continues the same hardware and support benefits of the standard warranty.

Who should I contact for more information?

We are happy to answer any questions you may have about the Dolby Professional Reference Monitor. Send an email with your questions and contact information to monitor@dolby.com. We will have a product expert in your region contact you shortly.

How can I arrange an evaluation of the Dolby Professional Reference Monitor in my facility?

If you are thinking of purchasing a Dolby Professional Reference Monitor and require an evaluation in your facility, please email monitor@dolby.com. We will have a representative in your region contact you right away.

How can I purchase a Dolby Professional Reference Monitor?

You can purchase the Dolby Professional Reference Monitor directly through Dolby. We are bringing dealers online over the next few months. Inquiries can be directed to monitor@dolby.com. We will have a representative in your region contact you right away.



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