



ASUS ProArt OLED PA32DC computer monitor 80 cm (31.5") 3840 x 2160 pixels 4K Ultra HD Black



Model: 90LM06N0-B01I70

Manufacturer: ASUS

EAN: 4711081560883

Product Code: 1192833

R91,593

World's first OLED monitor with auto calibration*

ProArt Display OLED PA32DC is the world's first OLED monitor with automatic calibration. It also features a built-in motorized flip colorimeter to ensure professional-grade color accuracy. This 31.5-inch 4K HDR monitor offers a cutting-edge OLED panel with pure RGB stripes and 99% DCI-P3 coverage to deliver highly accurate colors that bring out the finest details in your creations. Multiple HDR format support provides creators with the ideal platform for working with fast-moving HDR

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content. For comfort and convenience, PA32DC includes two stands to cater to any viewing position or work setup.

Filmmakers & Video Editors

An ultra-high-resolution monitor with wide-color-gamut performance is a must-have tool for 4K HDR video production. The adjustable stand and portable design of PA32DC also makes it perfect for on-set shoots, where it can be easily moved to an ideal location or positioned to avoid color shift caused by ambient lighting.

Designers & Photographers

PA32DC provides truly precise color reproduction to bring out the details in photographs or digital artwork. It delivers ultra-high-quality visuals and ensures that creative details aren't lost on the journey from click to print or production.

Colorists

OLED panels are known for their excellent color reproduction. PA32DC is factory pre-calibrated to ensure industry-leading color fidelity and offers $\Delta E < 1$ color difference, plus auto calibration function to ensure outstanding color accuracy.

Premium OLED panel with RGB stripes

PA32DC incorporates OLED technology which achieves ultra-precise control and extreme contrast by making each individual pixel its own light source. PA32DC has a pure RGB Stripe OLED panel with over 24 million of self-illuminating pixels that can be individually activated to reproduce truly lifelike pictures with deep blacks and enhanced color contrast in high-luminance images. These characteristics make PA32DC a natural fit for HDR content mastering.

Ultimate Professional-Grade Color

PA32DC delivers exceptionally detailed and realistic visuals, with a studio-grade 99% DCI-P3 color gamut. This means that the colors reproduced on the display are richer and more vivid, so it's ideal

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for color-intensive projects but also enhances any kind of content.

Ultra-Accurate Color

Designers, producers and color-solution companies deal with color-critical decisions and communications each day. ProArt displays are factory pre-calibrated to guarantee industry-leading color accuracy. Each monitor undergoes stringent and meticulous testing to ensure smoother color gradation, and each grayscale level is carefully measure and set to comply with the DICOM standard for medical use.

True Black: See the Unseen

PA32DC reproduces black hues perfectly. Since each OLED pixel uses self-generated illumination, it simply turns off to display the deepest possible black shade for extremely crisp and clear images, even in the darkest scenes.

Fast Response Time

A 0.1 ms response time ensures superfast, blur-free video or animated content.

Built-In Motorized Colorimeter

To maintain professional-level accuracy over the long term, a built-in motorized flip colorimeter moves into place when required, even with the display hood is mounted. This feature makes it easy to calibrate the display, as needed.

Auto Calibration

ProArt display OLED PA32DC can be calibrated using built-in motorized colorimeter and the look-up table subsequently rewritten via the ASUS ProArt calibration software that offers color tuning accuracy and uniformity compensation. It writes and saves color parameter profiles on the ProArt display's internal scaler IC chip, instead of on the PC, allowing users to connect it to devices with different operating systems or applications without needing to adjust settings. The saved profiles can be easily activated via the hotkey on the monitor.

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Seamless Calibration

In addition to having a built-in colorimeter, ProArt displays are compatible with most major calibrators, including those from X-Rite, Datacolor and Klein. They also work seamlessly with Calman and Light Illusion ColourSpace CMS professional hardware calibration software.

Enjoy true-to-life color

PA32DC exceeds industry color reproduction standards with its 99% DCI-P3 color gamut, and it features true 10-bit color depth to display more than 1.07 billion colors. VESA DisplayHDR 400 True Black certification and a 1,000,000:1 contrast ratio ensure the deepest blacks and brightest whites, enabling PA32DC to accurately display the most minute details in shadows and bright highlights for incredibly realistic visuals.

Class-Leading Color Fidelity

Each ProArt display is factory pre-calibrated using a new, three-scale process to guarantee industry-leading color fidelity. The display then undergoes stringent testing using ASUS advanced grayscale tracking technology to ensure smoother color gradations, better uniformity and high color accuracy with a Delta E < 1 color difference value. Each grayscale level is also carefully measured and set to ensure compliance with the precise DICOM standard for medical use.

Uniform Brightness Setting

OLED displays feature an Auto Brightness Limiter (ABL) to maximize power use. When displaying a white (or bright) image in a particular window, the display automatically dims the image as the window size increases.

The optional Uniform Brightness function in the OSD menu is particularly useful when switching between, or changing the size of windows with vastly different contrast levels as it keeps brightness levels consistent with up to 250 nits for comfortable viewing and more accurate colors, even after hours of use.

ASUS Smart HDR Technology

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Exclusive ASUS Smart HDR technology enables ProArt Display OLED PA32DC to support multiple HDR formats, including HLG and HDR10.

HLG allows users to view and create material for broadcast and satellite TV platforms such as BBC iPlayer, Japan NHK TV, and DirecTV.

HDR10 support ensures compatibility with existing streaming video services and a growing list of HDR-enabled games.

Multiple PQ Curves

ASUS ProArt Displays support multiple HDR10 curves, including PQ Hard Clip, PQ Optimized and PQ Basic, which can cover all content creation needs.

PQ Hard Clip

Preserves PQ curve till displaying maximum luminance with accuracy. Any luminance higher than display maximum will be mapped to display maximum.

PQ Optimized

Reproduce accurate gradations corresponding to maximum brightness of the monitor. Deliver the optimized HDR performance of this display.

PQ Basic

Present general HDR performance.

HDR Preview

HDR Preview enables a direct camera-to-monitor connection to view captured HDR content with its full tonal range. It also works within most video editing software platforms, providing accurate simulations of the final output for an easier, more streamlined editing experience.

Streamlined, Efficient Workflows

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Connect to your workflow

PA32DC offers a full-function USB-C, DisplayPort 1.4 and three HDMI (V2.0) for compatibility with current and future displays and peripherals. It also features an earphone jack and can function as a USB hub.

Versatile Stand

Two versatile stand options make it easy to deploy PA32DC in any scenario, allowing users to find the optimal working or viewing position when working on-location.

Better Management

Bundled clips make it easy to manage cables to keep desks and work areas tidy, while the sturdy and elegant metal handle makes it easy to carry PA32DC to anywhere it's needed.

Detachable Monitor Hood

A wraparound hood reduces on-screen reflections from nearby light sources, enabling users to work with confidence when inside the studio or on location. The auto calibration also works when the monitor hood is mounted.

Ergonomic Design

The bundled ergonomic stand offers tilt, swivel, pivot, and height adjustments. Being able to pivot the screen 90° clockwise or anticlockwise to portrait orientation comes in handy when working with long documents, coding or browsing websites.

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