

PA32USD

Asus ProArt PA32USD 315" 4K UHD 3840x2160 240Hz HDR True Black QD-OLED Professional Monitor, HDMI, DP, SDI

Product Overview

Asus ProArt PA32USD 315" 4K UHD 3840x2160 240Hz HDR True Black 400 Display QD-OLED Professional Monitor with 12G-SDI Input, 240Hz Refresh Rate and 0.1ms response time, VESA DisplayHDR True Black 400 Certified, 99% DCI-P3 and 100% sRGB Colour coverage, Factory calibrated to Delta e less than 1, Built-In Motorized flip colorimeter for self-calibration, Dual 12G-SDI inputs supporting uncompressed 4K@60Hz, 2x Thunderbolt 4 Ports with 96W Power Delivery, HDMI 2.1 and DisplayPort 2.1 connectivity included, Asus OLED care features including Pixel Shift, Tilt, Swivel, Pivot, Height adjustment, VESA 100x100mm Wall Mount compatible, 16:9 Aspect Ratio, 178 degree viewing angle





Specifications

Overview Summary:

Enhance your creative workflow with the ASUS ProArt PA32USD, a premium 31.5-inch QD-OLED professional monitor engineered for filmmakers and colorists in South Africa. Featuring factory calibration ensuring Delta E less than one accuracy, this display delivers stunning VESA DisplayHDR True Black visuals perfect for high-end post-production tasks.

With dual 12G-SDI inputs and Thunderbolt 4 connectivity, you can seamlessly integrate this monitor into your existing setup without compromise. Experience the ultimate in colour fidelity with a built-in colorimeter for effortless self-calibration. Buy now to secure your professional editing station today.

Performance tier: Professional Reference

Uses: Video Editing, Color Grading, Game Development, Broadcast Monitoring, Post-Production

Overview:

The ASUS ProArt PA32USD represents the pinnacle of professional display technology, designed specifically for filmmakers, colorists, and visual artists who demand absolute precision in their work. This 31.5-inch QD-OLED monitor delivers a stunning viewing experience with its factory-calibrated Delta E less than 1 colour accuracy guarantee, ensuring that every shade you see on screen is exactly what your audience will perceive. With a peak brightness of 1000 nits and a contrast ratio of 1.5 million to one, the display renders deep blacks and vibrant highlights with incredible fidelity, making it ideal for HDR mastering and high-end video editing workflows.

Description:

The ASUS ProArt PA32USD is a premium professional reference monitor built for color-critical industries. It combines a 31.5-inch 4K UHD QD-OLED panel with industry-leading colour accuracy, delivering 99% DCI-P3 coverage and true pixel-level blacks. Key benefits include dual 12G-SDI inputs for uncompressed video playback, Thunderbolt 4 connectivity with 96W power delivery, and a built-in motorized colorimeter for effortless self-calibration without external hardware. This monitor ensures seamless workflows from camera to screen with support for Dolby Vision, HLG, and HDR10 formats.

Moving beyond standard display capabilities, the PA32USD features an integrated motorized flip-out colorimeter that automates calibration processes directly through the on-screen menu. This eliminates the need for external measurement devices or a connected PC during routine checks, saving valuable time in busy production environments. The system stores all colour parameters within the monitor's internal scaler chip rather than relying on the host computer, ensuring that your custom

settings travel with the display wherever it goes. For studios requiring third-party verification, the unit supports full integration with Calman and ColourSpace CMS systems while shipping with a comprehensive factory pre-calibration report.

The connectivity suite is meticulously crafted to handle diverse professional workflows, from on-set production to post-production suites. Dual 12G-SDI inputs allow for the direct connection of compatible camera devices, supporting uncompressed 4K@60Hz video signals with ultra-low latency compatibility for 6G and 3G Level A and B signals as well. This flexibility makes the monitor equally at home in broadcast environments where reliability is paramount. Complementing these professional video inputs are dual Thunderbolt 4 ports that not only provide up to 96W Power Delivery but also support daisy-chaining for expanded multi-display setups, streamlining desk configurations.

Beyond the core connectivity options, the monitor includes an integrated USB 3.2 hub featuring one USB Type-C port and two USB Type-A ports to keep peripherals and storage drives readily accessible. The Picture-by-Picture mode offers the unique ability to view up to four different input sources simultaneously on a single screen, providing colorists and DITs with the flexibility to compare signals side by side without switching inputs. This capability is essential for verifying footage against multiple references or checking live feeds alongside recorded content.

Features:

Key Performance Highlights

- 31.5-inch 4K UHD (3840 x 2160) QD-OLED panel delivering genuine pixel-level black and a 1,500,000:1 contrast ratio for exceptional depth.
- Peak brightness of 1000 cd/m² certified by VESA DisplayHDR True Black 400 for stunning high dynamic range rendering.
- Coverage of 99% DCI-P3 and 100% sRGB colour gamuts with true 10-bit depth supporting over 1 billion colours.
- Factory calibrated to Delta E less than 1 accuracy standards with a verified pre-calibration report included for every unit.
- Built-in motorized flip colorimeter enabling self-calibration and scheduled auto-calibration without external hardware requirements.
- Dual 12G-SDI inputs supporting uncompressed 4K@60Hz playback alongside compatibility with 6G and 3G signals.

The visual engine of the PA32USD is powered by a QD-OLED panel that combines quantum dot technology with OLED architecture. This fusion results in a display capable of rendering 100% sRGB and 99% DCI-P3 colour spaces with true 10-bit depth, ensuring smooth gradations and faithful colour reproduction across the entire spectrum. The VESA DisplayHDR True Black 400 certification validates its ability to handle high dynamic range content effectively, while support for Dolby Vision, HLG, and HDR10 formats ensures readiness for any mastering or production workflow. ASUS Smart HDR technology further enhances this experience by offering multiple PQ curve options tailored to specific creative needs.

Designed with the user in mind, the monitor features a fully ergonomic stand that allows for tilt, swivel, pivot, and 130mm height adjustments, accommodating various working postures throughout long production sessions. The stand is also VESA 100x100mm wall-mount compatible for those who prefer flexible mounting solutions. To protect the investment in this advanced display, ASUS OLED Care features including Pixel Shift, proximity sensors, and Image Protection modes work together to minimize the risk of burn-in during extended use or static content display.

The part number PA32USD identifies this specific model within the ProArt lineup, ensuring users can reference exact specifications when ordering or troubleshooting. This identifier is critical for maintaining consistency across studio equipment lists and inventory management systems. The monitor ships with a robust suite of accessories including Thunderbolt 4 cables, DisplayPort 2.1 cables, HDMI Ultra High Speed cables, and various USB-C connectors to support immediate deployment upon unboxing.

What's in the Box

- ASUS ProArt Display OLED PA32USD 32" Professional Monitor x1
- Ergonomic Stand with full adjustment capabilities x1
- Mini Stand for compact setups x1

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- Monitor Hood to reduce glare and improve contrast x1
- Thunderbolt 4 Cable for high-speed data transfer x1
- DisplayPort 2.1 (DP80) Cable for video signal input x1
- HDMI Ultra High Speed Cable for HDR content playback x1
- USB-C Cable for power and data connectivity x1
- USB-C to A Adapter Cable for peripheral support x1
- Power Cord with standard plug configuration x1
- Cable Clip for wire management x1
- L-shaped Screwdriver for stand assembly x1
- Colour Pre-calibration Report documenting factory accuracy x1
- Certificate of Authenticity and Compliance x1
- Quick Start Guide for initial setup instructions x1
- Warranty Card for product registration purposes x1

The ASUS ProArt PA32USD stands as a definitive tool for professionals who refuse to compromise on visual fidelity. Whether grading 4K HDR footage, reviewing game artwork, or preparing files for print, this monitor ensures that the final output matches the creator's vision with uncompromising accuracy. The combination of advanced panel technology, professional connectivity options, and integrated calibration tools makes it an essential component in any high-end video production environment.

Specifications:

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Specifications	
Product Code	PA32USD
Model	ProArt Display OLED PA32USD
Display	
Panel Size (inch)	31.5
Pixels Per Inch (PPI)	140
Aspect Ratio	16:9
Display Viewing Area (H x V)	699.48 x 394.73 mm
Display Surface	Anti-Reflection
Panel Type	QD-OLED
Viewing Angle (CR>=10, H/V)	178degrees/ 178degrees
Pixel Pitch	0.182mm
Resolution	3840x2160
Color Space (sRGB)	100%
Color Space (DCI-P3)	99%
Brightness (HDR, Peak)	1,000 cd/²
Brightness (Typ.)	250cd/²
Contrast Ratio (HDR, Max)	1,500,000:1

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Contrast Ratio (Typ.)	1,500,000:1
Display Colors	1073.7M (10 bit)
Response Time	0.1ms(GTG)
Refresh Rate (Max)	240Hz
HDR (High Dynamic Range) Support	Dolby Vision
HDR10	
Flicker-free	Yes
ASUS OLED Care	Yes, Screen Saver
Features	
ProArt Preset	CAL 3
	CAL 2
	CAL 1
	Dolby Vision
	HDR_HLG_P3
	HDR_HLG_BT.2020
	HDR_PQ_BT.2020
	HDR_PQ_P3
	Rec.709
	DICOM
	BT.2020
	P3
	Adobe RGB
	sRGB
Native	
Color Temp. Selection	Yes (5000K, 5500K, 6500K, 7500K, 9300K, 12000K)
Color Adjustment	RGB Tuning (Gain / Offset)
Gamma Adjustment	Yes (Support Gamma 1.8/2.0/2.2/2.4/2.6)
Auto Rotation	Yes, supported by DisplayWidget Center
Color Accuracy	ΔE< 1
ASUS ProArt Hardware Calibration	Yes
ProArt Palette	Yes
QuickFit Plus	Yes
PIP / PBP Technology	Yes
HDCP	Yes, 2.3
VRR Technology	Yes (Adaptive-Sync)
HDR Preview	Yes

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DisplayWidget	Yes, DisplayWidget Center
Low Blue Light	Yes
Multiple HDR Mode	Yes
KVM Switch	Yes
ASUS Power Sync	Yes
Audio	
Speaker	Yes(3Wx2)
I/O Ports	
I/O Ports	12G-SDI x 2
	Thunderbolt 4 x 2 (Daisy Chain)
	DisplayPort 2.1 x 1
	HDMI(v2.1) x 1 (FRL)
	USB Hub 1x USB 3.2 Gen 2 Type-C
	2x USB 3.2 Gen 2 Type-A
	Earphone Jack Yes
	USB-C Power Delivery 96W
	USB 3.2 (Signal) x 1 USB Type-C (For KVM Switch)
Signal Frequency	
Digital Signal Frequency	HDMI: 15~583 KHz (H) / 48~240 Hz (V)
DisplayPort, Thunderbolt USB-C	15~583 KHz (H) / 48~240 Hz (V)
Power Consumption	
Power Consumption	
Power Saving Mode	
Power Off Mode	0W (hard switch)
Voltage	100-240V, 50/60Hz
Mechanical Design	
Tilt	Yes (+23degrees ~ -5degrees)
Swivel	Yes (+30degrees ~ -30degrees)
Pivot	Yes (+90degrees ~ -90degrees)
Height Adjustment	0~130mm
Embedded Colorimeter	Yes (Support Self-Calibration)
Ambient Light Sensor	Yes
Proximity Sensor	Yes
VESA Wall Mounting	100x100mm
Kensington Lock	Yes
Dimensions (Esti.)(vary by regions)	
Phys. Dimension (W x H x D)	71.83 x 61.58 x 23.97 cm (28.28" x 24.24" x 9.44")

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Phys. Dimension without Stand (W x H x D)	71.83 x 44.01 x 5.96 cm (28.28" x 17.33" x 2.35")
Box Dimension (W x H x D)	90.00 x 68.50 x 22.50 cm (35.43" x 26.97" x 8.86")
Weight (Esti.)(vary by regions)	
Net Weight	9.08 kg (20.02 lbs)
Net Weight without Stand	6.54 kg (14.42 lbs)
Gross Weight	17.03 kg (37.54 lbs)
Accessories (vary by regions)	Warranty Card
	USB-C to A cable
	USB-C cable
	Thunderbolt 4 Cable
	Quick start guide
	Power cord
	Monitor hood
	Mini Stand
	L-shaped Screwdriver
	HDMI Ultra High Speed Cable
	Ergonomic Stand
	DisplayPort 2.1 (DP80) cable
	Color pre-calibration report
	Cable Clip
	Certificate
	Mac Compliance
	FSC MIX
	Calman Ready
	VESA DisplayHDR 400 True Black
	TÜV Low Blue Light
	TÜV Flicker-free
	EPEAT Silver
	Energy Star
Note	
Phys. Dimension with Mini Stand (W x H x D)	71.83 x 48.29 x 16.28 cm (28.28" x 19.00" x 6.41")
Net Weight with Mini Stand	6.96 kg (15.35 lbs)

FAQ

Does this monitor support self-calibration without external hardware?

The ASUS ProArt PA32USD features a built-in motorized flip colorimeter that enables both self-calibration and scheduled

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auto-calibration directly from the OSD menu, eliminating the need for an external device or connected PC.

Can I connect professional video cameras to this display?

Yes, the monitor includes dual 12G-SDI inputs designed for production workflows, accepting uncompressed 4K@60Hz signals directly from compatible camera devices with ultra-low latency.

What connectivity options are available for laptop users and multi-display setups?

The display is equipped with dual Thunderbolt 4 ports that support up to 96W Power Delivery, allowing a single cable to connect your device while charging it. One of these ports also supports daisy-chaining for expanded multi-monitor configurations.

How does the monitor ensure accurate colour reproduction for professional work?

The PA32USD is factory-calibrated with Delta E less than 1 and includes a colour pre-calibration report, ensuring 99% DCI-P3 coverage and true 10-bit depth for studio-grade colour fidelity.

What features are included to prevent burn-in on the OLED panel?:

The monitor utilizes ASUS OLED Care technology, which includes Pixel Shift, an Image Protection mode, and a proximity sensor that activates when you leave your desk to minimize potential image retention.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/PA32USD-Asus-ProArt-PA32USD-315-4K-UHD-3840x2160-240Hz-Buy-p-341743.php>

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