

Monitor ASUS 26.5 3840 x 2160 pixels 4K Ultra HD Native aspect ratio 16:9 QD-OLED Flat 90LM0B30- B01971



Model: 90LM0B30-B01971

Manufacturer: ASUS

EAN: 4711387815236

Product Code: 310633

R22,403 ~~R24,837~~

The ROG Swift OLED PG27UCDM is a 27-inch, 240Hz 4K gaming monitor that boasts the latest fourth-generation QD-OLED technology to deliver supersharp visuals and crisp text. The cutting-edge QD-OLED panel offers greater longevity compared to previous OLED technologies and minimal flicker—even when frame rates fluctuate. With the addition of the Neo Proximity Sensor in the new ROG OLED Care Pro suite, the monitor transitions to a black screen when no user is detected, guarding against burn-in. Built-in DisplayPort™ 2.1a UHBR20 provides a full 80Gbps bandwidth to

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support uncompressed 4K visuals at a stunning 240Hz to elevate viewing experiences to the next level.

Supersmooth Visuals

The ROG Swift OLED PG27UCDM is the first 27-inch 4K OLED gaming monitor from ROG. Designed for discerning gamers and professional creators, it offers a refresh rate of 240Hz and 0.03ms gray-to-gray (GTG) response time for supersharp and fluid visuals.

4th Gen QD-OLED Technology

ROG OLED Anti-Flicker 2.0

New ROG OLED Anti-Flicker 2.0 technology minimizes onscreen flicker by up to 20% compared to previous-generation panels, enabling comfortable gaming experiences.

Luminance Compensation Algorithm

The advanced luminance compensation algorithm dynamically boosts pixel brightness during refresh rate fluctuations to ensure more consistent visuals without increasing input lag or compromising refresh rates.

Screen Protection

ASUS OLED CARE PRO

New ASUS OLED Care Pro technology provides a full set of customizable monitor settings to protect the OLED panel and ensure longevity. Plus, it includes the new Neo Proximity Sensor that detects your distance from the monitor and transitions to a black image when you're away to safeguard the panel from burn-in. All settings can be easily managed via DisplayWidget Center.

Pixel cleaning

Recalibrates the screen when the monitor has been active for several hours—a process that takes just a few minutes and activates automatically when the monitor is turned off*

*Do not unplug the power cord during this time as it will interrupt the pixel-cleaning process.

SCREEN MOVE

Pixel locations are slightly shifted periodically to help prevent burn-in, and users can choose between

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several movement levels.

Boundary detection

Dynamically detects the boundary of the black bars and reduces the brightness and also slightly shifts the pixel of the near borders.

Built to Last

Worry-free OLED Monitor

ROG OLED monitors are engineered to deliver stunning visuals for years to come. An innovative custom heatsink and a unique internal airflow improve cooling and reduce the risk of burn-in.

Rich Connectivity

Unlock the future with DisplayPort 2.1a

The PG27UCDM features the future-ready DisplayPort 2.1a UHBR20 with full 80Gbps bandwidth, supporting 4K at 240Hz or 8K at 60Hz visuals without compression while offering improved data-transmission efficiency. Additionally, the PG27UCDM includes USB-C® with 90-watt Power Delivery, HDMI® 2.1 ports and a USB hub to accommodate a wide array of multimedia devices.

Play in Ultravivid HDR

The PG27UCDM supports Dolby Vision® and HDR10 to deliver unmatched brightness, colors, and contrast. Both can be quickly turned on or off via the OSD menu, making PG27UCDM ideal when creating content or watching videos and movies.

YOUR MONITOR, YOUR WAY

The PG27UCDM monitor is a versatile powerhouse designed to excel in gaming, streaming, and content creation. Its high refresh rate, low response time, and vivid colors deliver a seamless, immersive experience. The wide viewing angles and built-in tripod socket make it perfect for streaming, while its exceptional color accuracy and wide color gamut ensure professional-grade content creation.

DisplayWidget Center

Take your monitor to the next level with DisplayWidget Center, a powerful monitor management software designed to help you optimize, personalize, and fully utilize your display via a mouse — so

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there's no need to access the OSD menu. Additionally, DisplayWidget Center notifies you of the latest firmware updates and includes a direct update option. You can also import or export display configurations for sharing.

PLAY SMARTER WITH AI ASSISTANT

The AI Assistant in PG27UCDM includes AI Visual, AI Crosshair, and AI Shadow Boost. These features leverage AI technology to help you practice more effectively to improve your gaming.

Uniform brightness

When activated, the ROG-exclusive Uniform Brightness* setting within the OSD menu decreases peak brightness to keep levels consistent for better viewing—even when changing the size of bright white windows. It also makes marathon gaming sessions much more comfortable on the eyes.

Aspect Control Ratio

For competitive gamers who are more familiar with smaller 1080p monitors, the PG27UCDM can display a 4:3 aspect image in 1280 x 960 or 1024 x 768 resolutions. Alternatively, users can play on a pixel-perfect 24.5-inch, 2368 x 1332 image at a native 240Hz refresh rate.

SMOOTH AND RESPONSIVE

The PG27UCDM features AMD FreeSync™ Premium Pro technology and NVIDIA® G-SYNC® compatibility, ensuring supersmooth, tear-free visuals with low latency.

Ergonomic stand

The specially designed hollowed-out stand offers tilt, swivel, pivot, and height adjustments to provide the ideal viewing position. The display is also VESA wall-mount-compatible.

- 26.5-inch 4K (3840 x 2160) QD-OLED gaming monitor with 240Hz Hz refresh rate and 0.03ms ms response time
- Latest 4th-gen QD-OLED technology delivers sharper imagery and crystal-clear text, a longer lifespan over previous-gen OLEDs
- OLED Anti-Flicker 2.0 technology includes a new luminance compensation algorithm that reduces flicker by 20% compared to previous-gen panels, ensuring comfortable viewing

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- New ASUS OLED Care Pro functions with Neo Proximity Sensor that precisely detects when the user is away, switching to a black screen to reduce the risk of burn-in
- Extensive connectivity options include DisplayPort 2.1a UHBR20 with full 80Gbps bandwidth, USB-C (90W PD), HDMI 2.1, and a tripod socket
- Dolby Vision support, VESA DisplayHDR 400 True Black compliance, 99% DCI-P3 gamut, True true 10-bit color, and Delta E 2 color difference for astonishing HDR performance, making it the monitor perfect for photo and video editing
- DisplayWidget Center allows users to easily access OLED Care Pro functions and adjust monitor settings using a mouse

Summary: ASUS ROG Swift OLED PG27UCDM. Display diagonal: 67.3 cm (26.5"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QD-OLED, Response time: 0.03 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black | Vendor Homepage: <https://rog.asus.com/monitors/27-to-31-5-inches/rog-swift-oled-pg27ucdm/> | Anti-glare screen: Yes | Colour depth: 10 | Colour gamut standard: DCI-P3/sRGB | Contrast ratio (typical): 1500000:1 | DCI-P3 coverage: 99 | Digital horizontal frequency: 30 - 590 | Digital vertical frequency: 48 - 240 | Display brightness (peak): 1000 | Display brightness (typical): 250 | Display diagonal: 26.5 | Display number of colours: 1.073 billion colours | Display resolution: 3840 x 2160 | Display technology: QD-OLED | HD type: 4K Ultra HD | High Dynamic Range (HDR) supported: Yes | High Dynamic Range (HDR) technology: Dolby Vision/High Dynamic Range 10 (HDR10) | Maximum refresh rate: 240 | Native aspect ratio: 16:9 | Panel type: OLED | Pixel pitch: 0.15525 x 0.15525 | Response time: 0.03 | Response time measurement type: GTG (Gray to Gray) | Screen shape: Flat | sRGB coverage (typical): 145 | Touchscreen: No | Viewable size, horizontal: 589.97 | Viewable size, vertical: 332.93 | Viewing angle, horizontal: 178 | Viewing angle, vertical: 178 | AMD FreeSync: Yes | AMD FreeSync type: FreeSync Premium Pro | Flicker-free technology: Yes | Game mode: Yes | Low Blue Light technology: Yes | NVIDIA G-SYNC: Yes | NVIDIA G-SYNC type: G-SYNC Compatible | VESA Adaptive Sync support: Yes | Built-in camera: No | Built-in speaker(s): No | Detachable stand: Yes | Feet colour: Black | Illuminated stand: Yes | Market positioning: Gaming | Product colour: Black | Built-in KVM switch: Yes | Built-in USB hub: Yes | DisplayPort version: 2.1 | DisplayPorts quantity: 1 | HDMI: Yes | HDMI ports quantity: 2 | HDMI version: 2.1 | Headphone connectivity: 3.5 mm | Headphone out: Yes | Headphone outputs: 1 | USB hub version: 3.2 Gen 1 (3.1 Gen 1) | USB Power Delivery (USB PD): Yes | USB Power Delivery up to: 90 | USB Type-A downstream ports quantity: 3 | USB Type-C DisplayPort Alternate Mode: Yes | USB Type-C downstream ports

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quantity: 1 | Adjustable height (max): 110 | Cable lock slot: Yes | Cable lock slot type: Kensington | Height adjustment: Yes | Panel mounting interface: 100 x 100 | Pivot: Yes | Pivot angle: -90 - 90 | Swivel angle range: -30 - 30 | Swivelling: Yes | Tilt adjustment: Yes | Tilt angle range: -5 - 20 | VESA mounting: Yes | Wall mountable: Yes | Energy consumption (HDR) per 1000 hours: 36 | Energy consumption (SDR) per 1000 hours: 25 | Energy efficiency class (HDR): G | Energy efficiency class (SDR): F | Energy efficiency scale: A to G | European Product Registry for Energy Labelling (EPREL) code: 2195069 | Power consumption (off): 0.3 | Power consumption (PowerSave): 0.5 | Power consumption (standby): 0.5 | Power consumption (typical): 80 | Power supply type: Internal | Depth (with stand): 218.8 | Depth (without stand): 70.5 | Height (with stand): 549.5 | Height (without stand): 369.2 | Weight (with stand): 7620 | Weight (without stand): 4970 | Width (with stand): 610.3 | Width (without stand): 610.3 | Package depth: 188 | Package height: 490 | Package type: Box | Package weight: 12400 | Package width: 896 | Stand included: Yes | Sustainability certificates: Forest Stewardship Council (FSC) Mix | Certification: TÜV Flicker-free TÜV Low Blue Light (Hardware Solution) VESA AdaptiveSync Display 240Hz VESA DisplayHDR 400 True Black AMD FreeSync Premium Pro G-SYNC Compatible FSC MIX | Warranty period: 3 | Data Sheet (Link): <https://eprel.ec.europa.eu/api/product/2195069/fiches?language=EN> | Energy efficiency class: F | EPREL Registration Number: 2195069 | EPREL Version Number: 2 | Unit Calculated Volume: 0.08113 | Product Net Weight: 7.62 | Unit Calculated Weight: 12.2

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