

INNOCN 27M2V

INNOCN 27M2V 4K Gaming Monitor User Manual

Model: 27M2V | Brand: INNOCN

INTRODUCTION

Thank you for choosing the INNOCN 27M2V 4K Gaming Monitor. This manual provides essential information for setting up, operating, and maintaining your new monitor. Designed for both gaming enthusiasts and creative professionals, this monitor delivers stunning visuals and high performance. Please read this manual thoroughly before using the product to ensure proper operation and safety.

KEY FEATURES

- **Stunning 4K UHD Resolution:** Experience incredible detail with a 3840 x 2160p resolution.
- **Ultra-Smooth 160Hz Refresh Rate:** Enjoy fluid and responsive gameplay with a high refresh rate.
- **Rapid 1ms IPS Response Time:** Minimize motion blur and ghosting for a competitive edge.
- **Mini LED Backlit Technology:** Featuring 1152 local dimming zones for superior contrast and deep blacks (HDR1000).
- **HDR1000 Support:** Delivers exceptional brightness and contrast for a more immersive visual experience.
- **Vibrant Color Accuracy:** Boasts 99% DCI-P3 and 99% Adobe RGB color gamut for true-to-life colors, ideal for content creation.
- **AMD FreeSync Compatible:** Synchronizes the monitor's refresh rate with your GPU for tear-free gaming.



Figure 1: Front view of the INNOCN 27M2V 4K Gaming Monitor, highlighting its 4K HDR, 160Hz refresh rate, 1ms response time, FreeSync Premium, and DisplayHDR 1000 features.

A superior screen

Experience 4 times more screen detail than FHD with the unrivaled clarity and vibrant color of UHD (3840 x 2160) resolution with HDR support.



Figure 2: The INNOCN 27M2V monitor showcasing superior screen detail with 4K UHD (3840 x 2160) resolution and HDR support.

CONNECTIVITY

The INNOCN 27M2V monitor offers a wide range of connectivity options to suit various devices:

- **2 x HDMI 2.1 Ports:** For high-bandwidth connections to gaming consoles (PS5, Xbox), PCs, and other HDMI-enabled devices. Supports up to 160Hz.
- **1 x DisplayPort 1.4:** Provides high-resolution and high-refresh-rate connectivity for PCs. Supports up to 160Hz.
- **1 x USB-C (90W Power Delivery):** A versatile single-cable solution for video, data, and up to 90W power delivery to compatible laptops, tablets, and phones.
- **2 x USB-A 3.0 Ports:** For connecting peripherals like keyboards, mice, or external storage.
- **1 x USB-B Port:** For connecting the monitor to your PC to enable the USB-A ports.
- **1 x 3.5mm Audio Jack:** For connecting headphones or external speakers.

AMD FreeSync Premium

Uninterrupted gaming experience

AMD
FreeSync
Premium

INNOCN Monitor

Other

Figure 3: The INNOCN 27M2V monitor connected to a laptop via USB-C, demonstrating its versatile connectivity and 90W power delivery.



Customized Comfort

Tilt, swivel, pivot and adjust the height of your monitor to work your way.

Figure 4: Rear view of the INNOCN 27M2V monitor, showing its DC Power In, Audio Out, HDMI 2.1 (x2), DisplayPort 1.4, USB-C 90W, USB-B 3.0, and USB-A 2.0 (x2) ports.

Official Product Video: Mini LED 4K Monitor

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Video 1: An official INNOCN video showcasing the Mini LED technology, HDR capabilities, and various features of the 4K monitor, including its connectivity options and adjustable stand.

ERGONOMICS AND ADJUSTMENTS

The INNOCN 27M2V monitor is designed with a highly adjustable stand for optimal viewing comfort:

- **Height Adjustment:** Adjust the monitor height by up to ± 5 inches for perfect eye-level viewing.
- **Swivel:** Swivel the screen left or right by 45° to share your view or adjust your position.
- **Tilt:** Tilt the screen 5° forward or 20° backward to find your ideal viewing angle.
- **Pivot:** Rotate the screen 90° ($\pm 90^\circ$) for portrait mode, ideal for coding or document viewing, thanks to the built-in gravity

sensor.

160Hz Refresh Rate

Smooth and efficient



Figure 5: Illustrations showing the tilt, swivel, pivot, and height adjustment capabilities of the INNOCN 27M2V monitor stand for customized comfort.

AUDIO FEATURES

The monitor includes built-in 4Ω5W*2 stereo speakers, providing convenient audio output without the need for external speakers. For private listening, you can connect headphones via the 3.5mm audio jack.

SETUP

Monitor Assembly

1. Carefully remove all components from the packaging.

2. Attach the stand base to the stand arm, securing it with the provided screw.
3. Align the assembled stand with the VESA mount on the back of the monitor and secure it firmly.
4. Place the monitor on a stable, flat surface.

Connecting to a Device

1. Connect the power adapter to the monitor's DC Power In port and then to a power outlet.
 2. Choose your desired input cable (HDMI, DisplayPort, or USB-C) and connect it from your device to the corresponding port on the monitor.
 3. If using USB-A ports, connect the USB-B cable from your PC to the monitor's USB-B port.
 4. Power on the monitor using the On/Off switch.
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OPERATING INSTRUCTIONS

On-Screen Display (OSD) Navigation

The monitor features control buttons located on the bottom right side. These buttons allow you to navigate the OSD menu and adjust various settings.

Picture Modes (Professional Tab)

Access the 'Professional' tab in the OSD to select from various color gamut modes:

- **Standard Mode:** Default color profile, offering 100% sRGB coverage.
- **sRGB Mode:** Optimized for standard web content and general use.
- **Adobe RGB Mode:** Wider color gamut for professional photo and video editing.
- **DCI-P3 Mode:** Ideal for cinematic content and professional video production.

HDR Modes (Picture Settings Tab)

In the 'Picture Settings' tab, you can select from different HDR modes:

- **Standard HDR:** General HDR setting.
- **Movie HDR:** Optimized for film and video content.
- **Design HDR:** Tailored for design and creative work.

Game Settings

The 'Game Settings' tab provides options to enhance your gaming experience:

- **Response Time:** Adjust pixel response time (Off, Normal, Fast, Ultrafast) to reduce ghosting.
- **Local Dimming:** Enable or disable local dimming for improved contrast.
- **Backlight Contrast:** Fine-tune backlight contrast for optimal black levels.

Smart Auto-Brightness

The monitor features a built-in light sensor that automatically adjusts screen brightness based on ambient light conditions, ensuring comfortable viewing and energy efficiency.

MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a monitor-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place away from direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power cable not connected; Input source incorrect.	Ensure power cable is securely connected. Select correct input source via OSD.
Image is blurry or distorted	Incorrect resolution; Cable connection issue.	Set display resolution to 3840x2160. Check cable connections for looseness or damage.
No audio from speakers	Volume too low; Incorrect audio output.	Increase monitor volume. Ensure monitor is selected as audio output device on your PC.
HDR not working	HDR not enabled on device/monitor; Cable not compatible.	Enable HDR in both device settings and monitor OSD. Use a high-speed HDMI 2.1 or DisplayPort 1.4 cable.

SPECIFICATIONS

Feature	Detail
Screen Size	27 Inches
Resolution	3840 x 2160 (4K UHD)
Refresh Rate	160Hz
Response Time	1ms (IPS)
Panel Type	IPS Mini LED
Local Dimming Zones	1152
Peak Brightness	1000 Candela (HDR1000)
Color Gamut	99% DCI-P3, 99% Adobe RGB
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4, 1x USB-C (90W PD), 2x USB-A 3.0, 1x USB-B, 1x 3.5mm Audio Jack
Speakers	2 x 5W Stereo Speakers
Dimensions (Product)	2.6 x 24 x 14 inches
Weight (Item)	22.1 pounds

WARRANTY AND SUPPORT

Your INNOCN 27M2V monitor comes with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official INNOCN website or contact their customer service. Keep your purchase receipt for warranty claims.

Official INNOCN Store: [Visit Store](#)