

INNOCN 27M2U-D

INNOCN 27M2U-D 27 Inch Mini LED 4K Monitor Instruction Manual

Model: 27M2U-D | Brand: INNOCN

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your INNOCN 27M2U-D 27 Inch Mini LED 4K Monitor. Please read it thoroughly before use to ensure proper functionality and longevity of your device.

The INNOCN 27M2U-D is a 27-inch 4K HDR display featuring Mini-LED backlight technology with 1,000 cd/m² peak brightness. It utilizes an A+ IPS panel with 99% DCI-P3 and 99% Adobe RGB color gamut, ensuring high color accuracy with a $\Delta E < 2$. The monitor offers versatile connectivity options and an adjustable stand for ergonomic viewing.

2. WHAT'S IN THE BOX

Verify that all the following items are included in your package:

- 1 x 27M2U-D 4K Monitor with Stand and Base
- 1 x HDMI Cable
- 1 x Power Supply
- 1 x Instruction Manual
- 1 x Color Collaboration Report

3. SETUP

3.1 Stand Assembly

Carefully remove the monitor and stand components from the packaging. Attach the stand base to the stand column, then secure the assembled stand to the back of the monitor panel. Ensure all connections are firm.

3.2 VESA Mounting

The monitor supports VESA mounting with a 100x100mm pattern. If using a VESA mount, remove the pre-attached stand and secure the monitor to your compatible VESA arm or wall mount using appropriate screws (not included).

3.3 Connecting Cables

Connect the power supply to the monitor and a power outlet. Use the provided HDMI cable or other compatible cables (DisplayPort 1.4, USB Type-C) to connect the monitor to your computer or other devices.



Figure 1: Rear view of the monitor displaying available ports including Power Supply, Audio Out, Type-C (65W), DP1.4, and HDMI 2.1.

The monitor features 2 x HDMI 2.1 ports, 1 x DisplayPort 1.4, and 1 x USB Type-C port (up to 65W Power Delivery). An audio out port is also available for external speakers or headphones.

4. OPERATING INSTRUCTIONS

4.1 On-Screen Display (OSD) Navigation

The OSD buttons are located on the bottom right side of the monitor. Use these buttons to navigate through the menu options and adjust settings.

4.2 Professional Settings

Access the 'Professional' menu for advanced display adjustments:

- **Color Gamut Modes:** Select from Standard, sRGB, Adobe RGB, or DCI-P3. The 'Standard' mode offers the broadest color coverage.

- **Gamma:** Adjust gamma levels for optimal contrast.
- **Color Temperature:** Choose from Natural, Design, Warm, Cool, or User-defined RGB settings.
- **Sharpness:** Adjust image sharpness.
- **Shadow Balance:** Fine-tune shadow details.
- **Low Blue Light:** Reduce blue light emission for eye comfort.
- **Hue/Saturation:** Adjust color hue and saturation.
- **Dynamic Brightness:** Enable or disable dynamic brightness adjustment.

Accurate Color Performance for Creativity

$\Delta E < 2$ | 99% DCI-P3 | 99% Adobe RGB



* Data from INNOCN laboratory

Figure 2: The monitor's accurate color performance, highlighting 99% DCI-P3 and 99% Adobe RGB coverage, suitable for creative professionals.

4.3 Picture Settings

The 'Picture Settings' menu allows for general display adjustments:

- **Brightness:** Adjust the overall screen brightness.
- **Contrast:** Adjust the contrast between light and dark areas.
- **Dynamic Contrast Ratio (DCR):** Enable or disable DCR.
- **Contextual Model:** Select predefined picture modes like Movie, Reading, Night, or Care Eyes. Note that enabling one mode may disable others.
- **HDR:** Choose from Standard, Movie, or Design HDR modes.

- **Aspect Ratio:** Adjust the display aspect ratio.



Figure 3: Visual comparison of HDR 1000, HDR 400, and HDR Off modes on the monitor.

4.4 Game Settings

The 'Game Settings' menu provides options optimized for gaming:

- **Game Modes:** Select from RTS/RPG, FPS Arena, or MOBA Arena modes. Enabling a game mode may disable local dimming and backlight contrast.
- **Response Time:** Adjust response time to Off, Normal, Fast, or Ultra Fast. Note that due to the panel's characteristics, ghosting may be noticeable at higher settings.
- **Local Dimming:** Enable or disable local dimming.
- **Backlight Contrast:** Adjust backlight contrast.

4.5 Picture-in-Picture (PIP) / Picture-by-Picture (PBP)

The monitor supports PIP and PBP functionalities, allowing you to display content from multiple sources simultaneously. You can adjust the signal source, audio source, position, and size of the secondary window, and swap between main and secondary displays.

4.6 Other Settings

The 'Other Settings' menu includes:

- **Input Signal:** Set to Auto or manually select the input source (HDMI, DP, USB-C).
- **Volume:** Adjust the built-in speaker volume (default 50%).
- **Auto Power:** Power saving options.
- **Eyecare Remind:** Eye comfort reminder.
- **Light Sensor:** Enable or disable the ambient light sensor, which automatically adjusts screen brightness based on room lighting conditions.



Figure 4: The monitor's smart automatic brightness adjustment feature, adapting to changes in light sources.

5. SPECIFICATIONS

Feature	Specification
Brand	INNOCN
Model Number	27M2U-D
Screen Size	27 Inches

Feature	Specification
Resolution	4K UHD 2160p (3840 x 2160 Pixels)
Display Type	IPS Mini LED
Refresh Rate	60 Hz
Response Time	1 Millisecond (MPRT)
Brightness	1000 cd/m ² (Peak), 450 cd/m ² (Typical)
Contrast Ratio	1000:1
Color Gamut	99% DCI-P3, 99% sRGB, 1.07 Billion Colors
HDR Support	HDR1000
Connectivity	2 x HDMI 2.1, 1 x DisplayPort 1.4, 1 x USB Type-C (65W PD)
Speakers	Built-in (5W x 2)
Adjustments	Height, Swivel, Tilt, Pivot
VESA Mount	100 x 100 mm
Item Dimensions (D x W x H)	2.52"D x 24.13"W x 14.4"H
Item Weight	8.94 Kilograms

6. MAINTENANCE

To ensure the longevity and optimal performance of your monitor, follow these maintenance guidelines:

- **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's casing. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off:** Always power off the monitor when not in use for extended periods.

7. TROUBLESHOOTING

If you encounter any issues with your monitor, refer to the following common solutions:

- **No Power:** Check if the power cable is securely connected to both the monitor and the power outlet. Ensure the power adapter is functioning correctly.
- **No Signal:** Verify that the video cable (HDMI, DP, USB-C) is correctly connected to both the monitor and your device. Try selecting the input source manually via the OSD menu.
- **Flickering Screen:** Check the video cable for damage or loose connections. Ensure your graphics card drivers are up to date.
- **Incorrect Colors:** Reset the color settings to default in the OSD menu or try different color gamut modes (Standard, sRGB, etc.). Ensure your device's display settings are correctly configured.
- **Sound Issues:** Check the monitor's volume in the OSD menu. If using external speakers/headphones, ensure they are properly connected to the audio out port.

8. WARRANTY AND SUPPORT

Your INNOCN 27M2U-D monitor comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to

the documentation included in your package or visit the official INNOCN website.

For technical assistance, troubleshooting, or any product-related inquiries, please contact INNOCN customer support. You can typically find contact information in your instruction manual or on the brand's official website.