INNOCN 27M2U-D

INNOCN 27M2U-D 27-inch Mini LED 4K Monitor User Manual

Model: 27M2U-D

1. Product Overview

The INNOCN 27M2U-D is a 27-inch Mini LED 4K monitor designed for professional use, content creation, and immersive viewing experiences. It features a high-resolution IPS panel with HDR1000 support, wide color gamut coverage, and versatile connectivity options.



Figure 1.1: Front view of the INNOCN 27M2U-D monitor.

2. What's in the Box

Verify that all components are present in the packaging:

- 1 x INNOCN 27M2U-D 4K Monitor
- 1 x Monitor Stand and Base
- 1 x HDMI Cable
- 1 x Power Supply (AC Adapter and Power Cable)
- 1 x Instruction Manual
- 1 x Color Calibration Report

3. Setup

3.1 Monitor Assembly

Carefully remove the monitor and its components from the packaging. Attach the stand to the monitor panel, ensuring it clicks securely into place. Then, attach the base to the stand.

3.2 Connecting to Devices

The monitor offers multiple connectivity options for various devices:

- **USB-C (up to 65W Power Delivery):** Connect compatible laptops, tablets, or phones for video, audio, and power delivery through a single cable.
- **DisplayPort 1.4:** For high-resolution video and audio connection to desktop PCs.
- **HDMI 2.1 (x2):** Connect gaming consoles (PS5, Xbox), desktop PCs, or other HDMI-enabled devices.
- **Audio Out (3.5mm Jack):** Connect external headphones or speakers.



Figure 3.1: Available ports on the INNOCN 27M2U-D monitor.

4. Operating the Monitor

4.1 On-Screen Display (OSD) Menu Navigation

The OSD menu is controlled using buttons located on the bottom right side of the monitor. These buttons allow you to navigate through various settings and adjust monitor parameters.

4.2 Professional Settings

This section allows for fine-tuning of color and display characteristics:

- **Color Gamut Modes:** Select from Standard, sRGB, Adobe RGB, or DCI-P3 for accurate color reproduction.
- **Gamma:** Adjust gamma levels for optimal image contrast.
- **Color Temperature:** Choose between 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 automatic brightness adjustment.

4.3 Picture Settings

General image adjustments:

- **Brightness:** Adjust overall screen brightness.
- **Contrast:** Adjust the difference between light and dark areas.
- **Dynamic Contrast Ratio (DCR):** Enhance contrast dynamically.
- **Contextual Model:** Select predefined picture modes (Movie, Reading, Night, Care Eyes). Note: Enabling one mode disables others across Professional, Picture, and Game settings.
- **HDR:** Choose between Standard, Movie, or Design HDR modes.
- **Aspect Ratio:** Adjust the display aspect ratio (e.g., Wide Screen).

4.4 Game Settings

Optimized settings for gaming:

- **Game Modes:** Select from RTS/RPG, FPS Arena, or MOBA Arena modes. Note: Enabling a game mode may disable local dimming and backlight contrast.
- **Response Time:** Adjust panel response time (Off, Normal, Fast, Ultra Fast).
- **Local Dimming:** Enable or disable local dimming.
- **Backlight Contrast:** Adjust backlight contrast.

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

This feature allows displaying content from two different sources simultaneously. You can adjust the signal source, audio source, position, and size of the PBP/PIP windows, and swap their content.

4.6 OSD Settings

Customize the OSD menu itself:

- **Language:** Select the OSD language.
- **OSD Time Out:** Set how long the OSD remains visible.
- **OSD Position:** Adjust the OSD menu's on-screen position.
- **OSD Transparency:** Adjust the transparency of the OSD menu.
- **Hotkey Settings:** Customize quick access hotkeys.

4.7 Other Settings

Additional monitor configurations:

- **Input Signal:** Manually select the input source (Auto, USB-C, DP, HDMI 1, HDMI 2).

- **Volume:** Adjust the monitor's built-in speaker volume.
- **Auto Power:** Configure automatic power-off settings.
- **Eyesafe/Runned:** Eye-care related settings.
- **Light Sensor:** Enable or disable the ambient light sensor for automatic brightness adjustment.

5. Key Features

5.1 MiniLED Backlit Technology & HDR1000

The 27M2U-D features a Mini LED backlight with 1,152 local dimming zones, delivering a peak brightness of 1,000 cd/m² (HDR1000). This technology allows for deep blacks and bright whites, enhancing contrast and visual depth.



Figure 5.1: Mini-LED IPS Panel technology for superior contrast and brightness.



Figure 5.2: HDR 1000 provides top visual and detailed experience.

5.2 Accurate Color Performance

Equipped with an A+ IPS panel, the monitor offers 99% DCI-P3 and 99% Adobe RGB color gamut coverage, with a factory color calibration report ensuring color accuracy (ΔE < 2). This makes it suitable for creative professionals.



Figure 5.3: Accurate color performance for creative tasks.

5.3 Rich Connectivity

The monitor includes USB-C (65W Power Delivery), DisplayPort 1.4, and two HDMI 2.1 interfaces, allowing easy connection to a wide range of devices including desktop PCs, laptops, tablets, phones, and gaming consoles.



Figure 5.4: Powerful USB Type-C 65W connectivity for various devices.

5.4 Ergonomic Stand & VESA Mount

The multi-angle adjustable stand supports height, swivel, tilt, and pivot adjustments, providing personalized viewing comfort. It is also VESA mountable (100x100mm) for alternative mounting solutions.

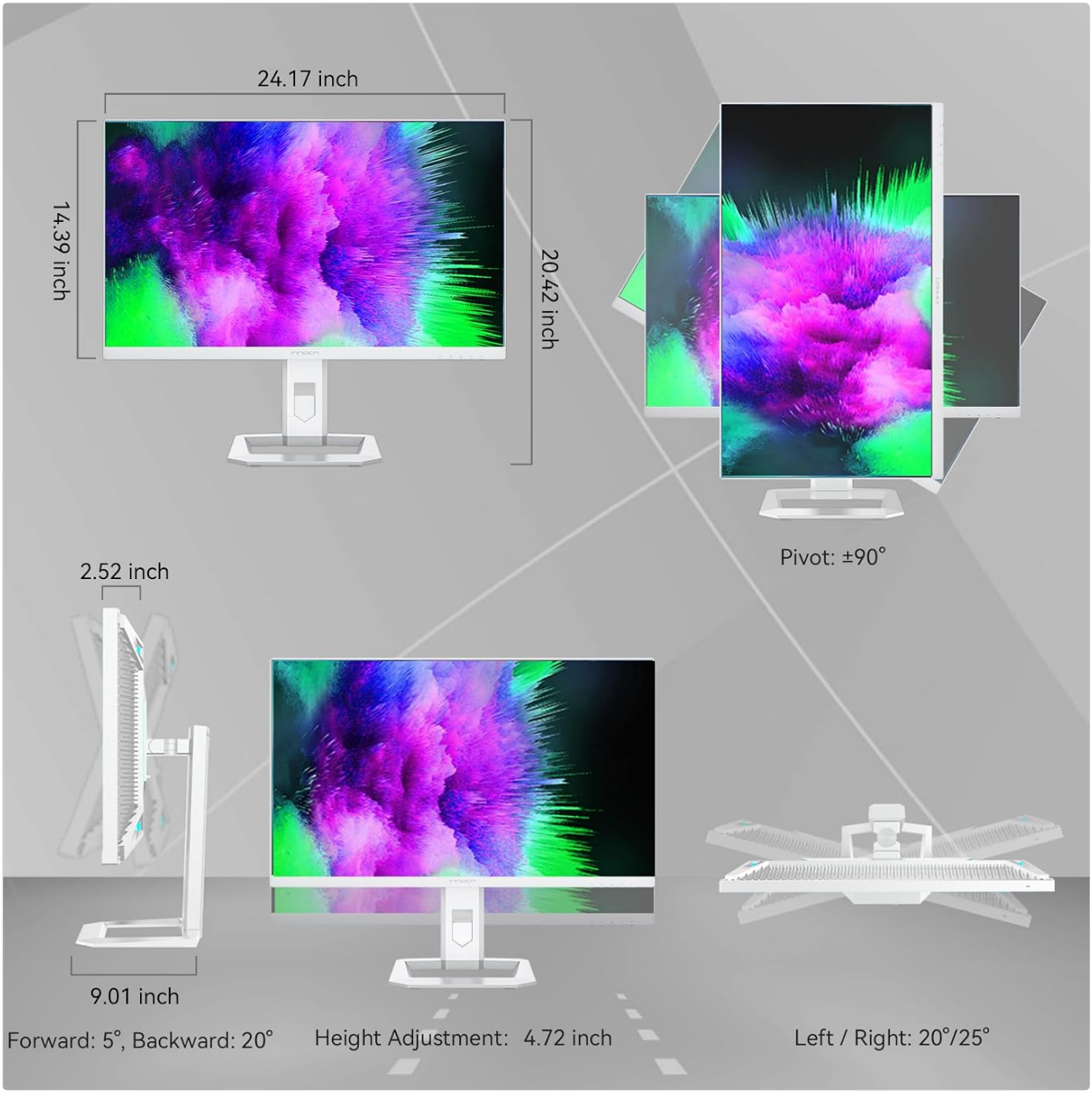


Figure 5.5: Ergonomic stand adjustments for optimal viewing.

5.5 Smart Automatic Brightness Adjustment

A built-in sensor automatically adjusts screen brightness based on changes in ambient light, ensuring comfortable viewing and reducing eye strain in varying environments.



Figure 5.6: Smart automatic brightness adjustment for adaptive viewing.

6. Specifications

Feature	Specification
Screen Size	27 Inches
Resolution	3840 x 2160 Pixels (4K UHD 2160p)
Panel Type	IPS Mini LED
Refresh Rate	60Hz
Response Time	12ms (Gray to Gray)
Peak Brightness	1000 cd/m² (HDR1000)
Typical Brightness	450 cd/m²

Local Dimming Zones	1,152
Color Gamut	99% DCI-P3, 99% sRGB
Color Depth	1.07 Billion Colors
Connectivity	1x DisplayPort 1.4, 2x HDMI 2.1, 1x USB-C (65W PD), 1x Audio Out
Speakers	Built-in (details not specified, typically 2x5W)
Ergonomics	Height, Swivel, Tilt, Pivot Adjustable
VESA Mount	100x100mm
Product Dimensions	2.52 x 24.13 x 14.4 inches
Item Weight	19.66 pounds

7. Troubleshooting

If you encounter issues with your monitor, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to the monitor and a working power outlet. Check the power adapter for any damage.
- **No Signal:** Verify that the video cable (HDMI, DisplayPort, USB-C) is correctly connected to both the monitor and your device. Select the correct input source via the OSD menu.
- **Flickering/Distorted Image:** Check the video cable for damage or loose connections. Try a different cable or port. Ensure your device's graphics drivers are up to date.
- **Color Inaccuracies:** Reset color settings to default in the OSD menu. Ensure you are using the appropriate color gamut mode (sRGB, DCI-P3, etc.) for your content.
- **Sound Issues:** Check the volume settings in the OSD menu and on your connected device. Ensure external speakers/headphones are properly connected to the audio out port.

8. 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, lightly dampen the cloth with water or a specialized screen cleaner. Avoid harsh chemicals or abrasive materials.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing.
- **Ventilation:** Ensure the monitor's ventilation openings are clear and not obstructed to prevent overheating.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place, ideally in its original packaging.

9. Warranty and Support

INNOCN provides 7*24 hours online quick technology resolution for any product-related inquiries or issues. Please refer to your product's warranty card for specific warranty terms and conditions.
For further assistance, visit the official INNOCN website or contact customer support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question