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› INNOCN GA27T1M 27-inch WQHD MiniLED Gaming Monitor User Manual

INNOCN GA27T1M

INNOCN GA27T1M 27-inch WQHD MiniLED Gaming Monitor User Manual

Model: GA27T1M | Brand: INNOCN

1. INTRODUCTION

Thank you for choosing the INNOCN GA27T1M 27-inch WQHD MiniLED Gaming Monitor. This monitor is designed to deliver an immersive gaming experience with its 2560x1440 resolution, ultra-fast 330Hz refresh rate, and 0.5ms response time. Featuring MiniLED backlighting with 1152 local dimming zones and Quantum Dot technology, it offers exceptional color accuracy and HDR1000 performance. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your monitor.

2. SAFETY INFORMATION

- Always place the monitor on a stable, flat surface to prevent it from falling.
- Do not block ventilation openings. Ensure adequate space around the monitor for proper airflow.
- Use only the power adapter and cables provided by the manufacturer.
- Avoid exposing the monitor to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to repair the monitor yourself. Refer all servicing to qualified personnel.
- Disconnect the power cable from the outlet before cleaning the monitor.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- INNOCN GA27T1M Monitor
- Monitor Stand (Base and Neck)
- DP Cable
- USB-B Cable
- Power Adapter and Power Cable
- Calibration Report

- User Manual (this document)



Figure 3.1: Included Accessories

4. SETUP

4.1 Assembling the Stand

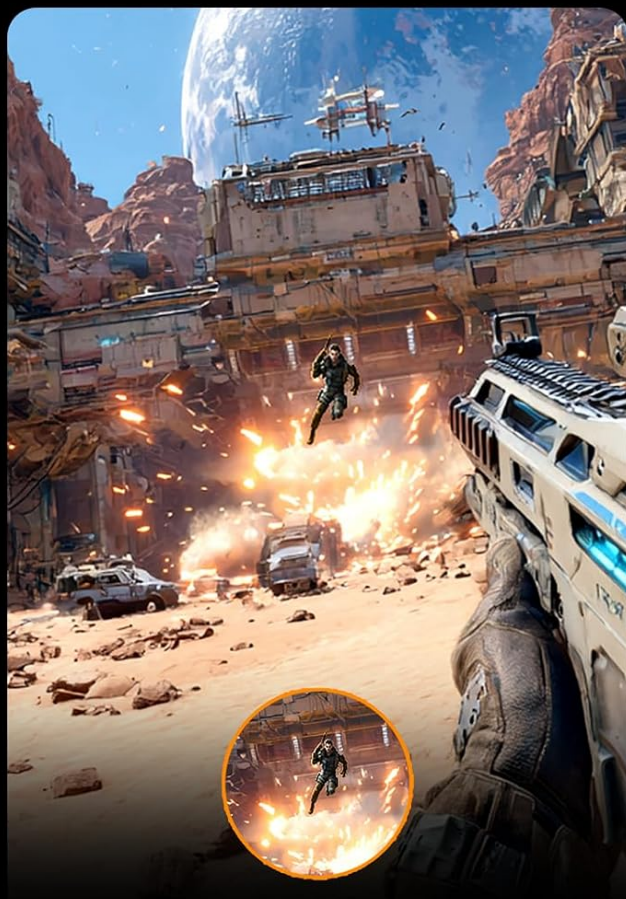
1. Carefully remove the monitor from its packaging, keeping it protected.
2. Attach the stand neck to the monitor panel.
3. Attach the stand base to the neck and secure it with the provided screw.

MPCS!敵がブレないから、撃ち外さない

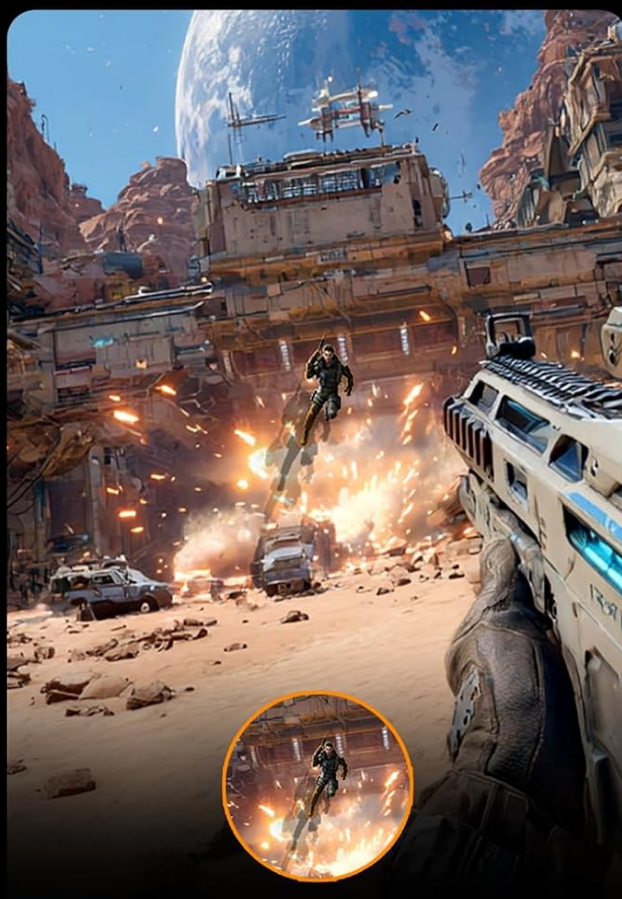
「定格」の瞬間、運動画面をスライドのように鮮明にします。

MPCS/LD : MOBA/3Aに対して

MPCS/ULL:FPSに対して



MPCS + Mini LED



従来型

Figure 4.1: Monitor with Assembled Stand

4.2 Connecting Cables

Connect the necessary cables to the monitor's rear ports:

- **Power Cable:** Connect the power adapter to the monitor and then to a power outlet.
- **DisplayPort (DP) Cable:** For optimal performance (WQHD @ 330Hz), connect the DP cable from your computer's graphics card to the monitor's DisplayPort 1.4 input.
- **HDMI Cable:** Connect an HDMI 2.1 cable from your device (e.g., PC, game console) to one of the monitor's HDMI 2.1 inputs.
- **USB-B Cable:** Connect the USB-B cable from your computer to the monitor to enable the integrated USB hub functionality.

330Hz & 0.5ms MPCS

カクツキも、ブレも、全てを超越した滑らかさ。



Figure 4.2: Monitor Rear Ports

4.3 Adjusting the Stand

The monitor stand supports height adjustment, pivot (vertical/horizontal rotation), and tilt to optimize your viewing experience.



Figure 4.3: Stand Adjustments

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the power button located on the monitor to turn it on or off. The power indicator light will illuminate when the monitor is on.

5.2 OSD (On-Screen Display) Menu Navigation

Use the joystick or buttons on the monitor to navigate the OSD menu. The OSD menu allows you to adjust various display settings.

光は太陽のように輝き、闇は夜のように深く

ローカルディミングとHDR1000が、一切の光漏れを排し、究極の黒と輝きを同時に実現します。

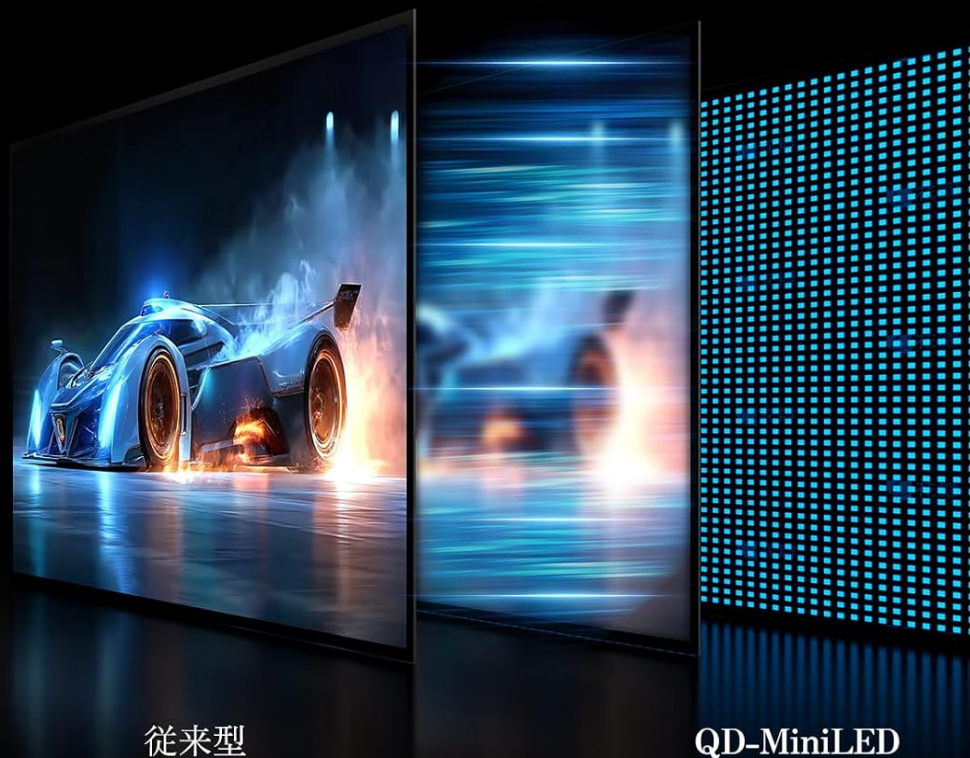


Figure 5.1: OSD Menu Interface

5.3 Input Source Selection

From the OSD menu, select 'Input Source' to switch between DisplayPort and HDMI inputs.

5.4 Activating 330Hz Refresh Rate

To enable the monitor's maximum 330Hz refresh rate, navigate to the OSD menu: **'Game Settings' > 'Image Correction' > 'Overclock'** and set it to **ON**.

MPCS TECH

GA27T1Mは、MiniLEDのために新開発されたMPCS TECHダイナミッククリア技術を採用。特別なMiniLED逐行、逐区スキャン光制御アルゴリズムにより、従来のMiniLEDのバックライトと画面の遅延を大幅に低減。画面のブレを抑え、画像からブルーミングやストリークを削除することで、OLEDに匹敵する極速応答時間を実現し、より快適なゲームプレイを楽しむことができます。



Figure 5.2: High Refresh Rate and Response Time

6. DISPLAY SETTINGS

6.1 Picture Modes and Color Adjustments

The monitor offers various picture modes and extensive color adjustment options. You can fine-tune brightness, contrast, gamma, and color temperature through the OSD menu. The monitor supports SDR high brightness mode for optimal visibility in various scenes.



Figure 6.1: Quantum Dot Color Spectrum

6.2 MiniLED and HDR1000

The GA27T1M integrates MiniLED local dimming with 1152 zones and Quantum Dot technology to achieve HDR1000 certification. This results in brighter highlights and deeper blacks, enhancing immersion. The monitor's display quality approaches that of OLED panels, offering clear and beautiful image reproduction.



Figure 6.2: MiniLED Local Dimming



Figure 6.3: Enhanced Image Beauty

6.3 Gaming Features (MPCS, Adaptive Sync)

The monitor features INNOCN's proprietary MPCS technology, achieving a 0.5ms response time to minimize ghosting in fast-moving scenes. It also supports Adaptive Sync (FreeSync Premium Pro) to eliminate screen tearing and stuttering for a smooth gaming experience.



Figure 6.4: MPCS Technology in Action

6.4 DDC/CI Software Control

The monitor supports DDC/CI protocol, allowing you to adjust brightness and contrast using mouse operations via dedicated software. This provides a convenient alternative to the OSD menu.

7. MAINTENANCE

7.1 Cleaning the Screen

- Turn off the monitor and unplug the power cord.
- Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a screen cleaner specifically designed for monitors.
- Do not spray liquid directly onto the screen.

7.2 Cleaning the Monitor Body

- Use a soft, dry cloth to wipe the monitor casing.
- Avoid using abrasive cleaners or solvents, as they may damage the surface.

8. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No power	Power cable not connected or power outlet issue.	Ensure power cable is securely connected. Check power outlet with another device.
No signal	Video cable not connected or incorrect input source selected.	Check DP/HDMI cable connections. Select correct input source via OSD menu.
Image flickering or distortion	Cable issue, graphics card driver, or refresh rate setting.	Try a different cable. Update graphics drivers. Ensure refresh rate is set correctly in OS display settings.
Monitor does not automatically recover after power off	Specific system or monitor setting.	Manually power on the monitor or select the input source. Check for firmware updates if available.

Problem	Possible Cause	Solution
Dead pixels or bright spots	Manufacturing defect.	Refer to the warranty policy for pixel defect coverage.
Color inaccuracy	Default color settings or lack of calibration.	Adjust color settings in the OSD menu. Consider professional calibration for critical color work.

9. SPECIFICATIONS

Feature	Specification
Brand	INNOCN
Model	GA27T1M
Screen Size	27 inches
Resolution	WQHD (2560 x 1440 pixels)
Aspect Ratio	16:9
Refresh Rate	330 Hz
Response Time	0.5 ms
Panel Type	LCD (MiniLED with Quantum Dot)
Screen Surface	Matte (Non-glare)
HDR Support	HDR1000
Adaptive Sync	FreeSync Premium Pro
Viewing Angle	178 degrees
Color Gamut Value	99%
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4, USB Hub (3x USB 3.0 Type-A, 1x USB 3.0 Type-B)
Built-in Speakers	Yes
VESA Mount Compatible	Yes
Stand Features	Height Adjustment, Tilt, Pivot
Product Dimensions (D x W x H)	23.9 x 61.4 x 51.6 cm
Product Weight	6.6 kg

10. WARRANTY AND SUPPORT

10.1 Manufacturer's Warranty

This INNOCN GA27T1M monitor comes with a **1-year manufacturer's warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

10.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact INNOCN customer support. Contact details can typically be found on the official INNOCN website or on your product packaging.
Manufacturer: Guangxi Century Innovation Display Electronics Co.,Ltd

