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KTC M27P6

KTC M27P6 27-inch QD-MiniLED Gaming Monitor User Manual

Model: M27P6 | Brand: KTC

1. INTRODUCTION

This manual provides comprehensive instructions for the KTC M27P6 27-inch QD-MiniLED Gaming Monitor. It covers product features, setup, operation, maintenance, and troubleshooting to ensure optimal performance and user experience. Please read this manual thoroughly before using the monitor.

未来の映像を手に入れる。

MiniLED技術、1152分割ゾーンの調光で、深みのある黒と鮮やかな白を実現。映画もゲームも鮮明に。



Image: Overview of the KTC M27P6 monitor showcasing its main features like 4K UHD, 27-inch display, Adaptive Sync, Dual Mode technology, Fast IPS, 145% sRGB, MiniLED, and KVM functionality.

2. SAFETY INFORMATION

To prevent damage and ensure safe operation, observe the following precautions:

- Do not expose the monitor to rain or moisture to avoid fire or shock hazards.
- Do not open the monitor casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Place the monitor on a stable, flat surface to prevent it from falling.
- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure proper ventilation around the monitor. Do not block ventilation openings.
- Use only the power adapter and cables provided with the monitor.
- Disconnect the power plug from the wall outlet if the monitor will not be used for an extended period.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- KTC M27P6 Monitor
- Power Cable
- DisplayPort Cable (x1)
- Type-C Cable (x1)
- Power Adapter
- Monitor Stand
- Stand Base
- Instruction Manual (Japanese version)
- Quick Start Guide
- Warranty Card

4. SETUP

4.1 Stand Assembly

The monitor stand is designed for easy, tool-free assembly. Follow these steps:

1. Attach the stand base to the stand pillar. Ensure it clicks securely into place.
2. Align the assembled stand with the mounting slot on the back of the monitor.
3. Gently push the stand into the slot until it locks. No tools are required.

瞬時の動き

超高速320Hzのリフレッシュレートで、動きの速いシーンも滑らかに再現。勝利への一瞬を逃しません。



Image: Illustration showing the monitor stand assembly and various adjustment capabilities including height (Elevation), tilt, pivot, and swivel.

4.2 Connecting to Devices

Connect your devices to the monitor using the appropriate ports:

- **Power:** Connect the power adapter to the monitor's power input and then to a wall outlet.
- **Video Input:**
 - **HDMI 2.1 (x2):** For high-resolution and high-refresh-rate connections (up to 3840x2160 @ 160Hz or 1920x1080 @ 320Hz).
 - **DisplayPort 1.4 (x1):** For high-resolution and high-refresh-rate connections (up to 3840x2160 @ 160Hz).
 - **Type-C (65W):** For video input, data transfer, and power delivery to compatible devices.
- **USB Hub:** Connect the monitor's USB upstream port to your computer to enable the USB 3.0 downstream ports (x3) for peripherals.
- **Audio Output:** Use the headphone jack for external audio devices.

多彩な接続オプションで高い互換性

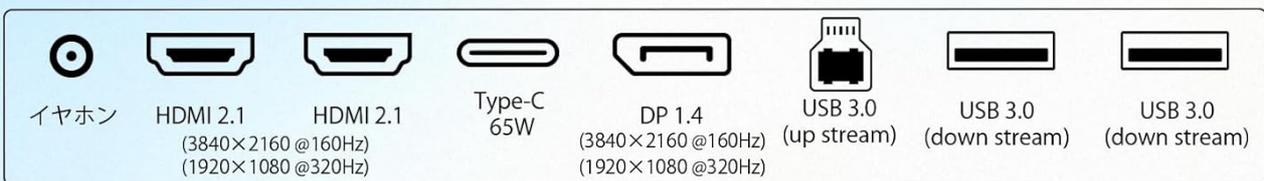


Image: Diagram illustrating the various connectivity ports on the back of the monitor, including headphone jack, HDMI 2.1, Type-C, DisplayPort 1.4, and USB 3.0 ports.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and OSD Navigation

Locate the joystick control on the back of the monitor to power on/off and navigate the On-Screen Display (OSD) menu. Push the joystick in to power on/off, and move it up/down/left/right to navigate menu options.

5.2 Dual Mode Resolution Switching

The monitor supports two primary resolution modes:

- **4K UHD (3840x2160) at 160Hz:** Ideal for high-fidelity visuals and detailed work.
- **FHD (1920x1080) at 320Hz:** Optimized for competitive gaming, offering extreme smoothness and responsiveness.

You can switch between these modes via the OSD menu to suit your application, whether it's gaming or productivity.

解像度切り替えモードで、 状況に応じた最適な映像を実現。

4K UHD (160Hz) と FHD (320Hz) の双モード対応で、ゲームや作業に最適な解像度を自由に選択可能。



Image: Visual comparison of two resolution modes, demonstrating the flexibility to choose between 4K UHD (160Hz) and FHD (320Hz) based on usage.

5.3 Display Technologies: QD-MiniLED, HDR1400, and Quantum Dot

The KTC M27P6 utilizes advanced display technologies for superior image quality:

- **QD-MiniLED:** This next-generation panel technology delivers exceptional color purity and vividness.
- **HDR1400:** Provides a high dynamic range with a peak brightness of 1400 cd/m², ensuring dazzling highlights and deep, immersive shadows. The monitor achieves a 1,000,000:1 contrast ratio (HDR).
- **Quantum Dot Technology:** Combined with MiniLED technology and 1152 local dimming zones, it produces deep blacks and vibrant whites, creating realistic and immersive visuals.
- **Color Gamut:** Features 145% sRGB coverage, enhancing color reproduction for design work and video editing.

瞬きを超えた速度

わずか1msで、滑らかな映像とリアル感を
存分に楽しめます。

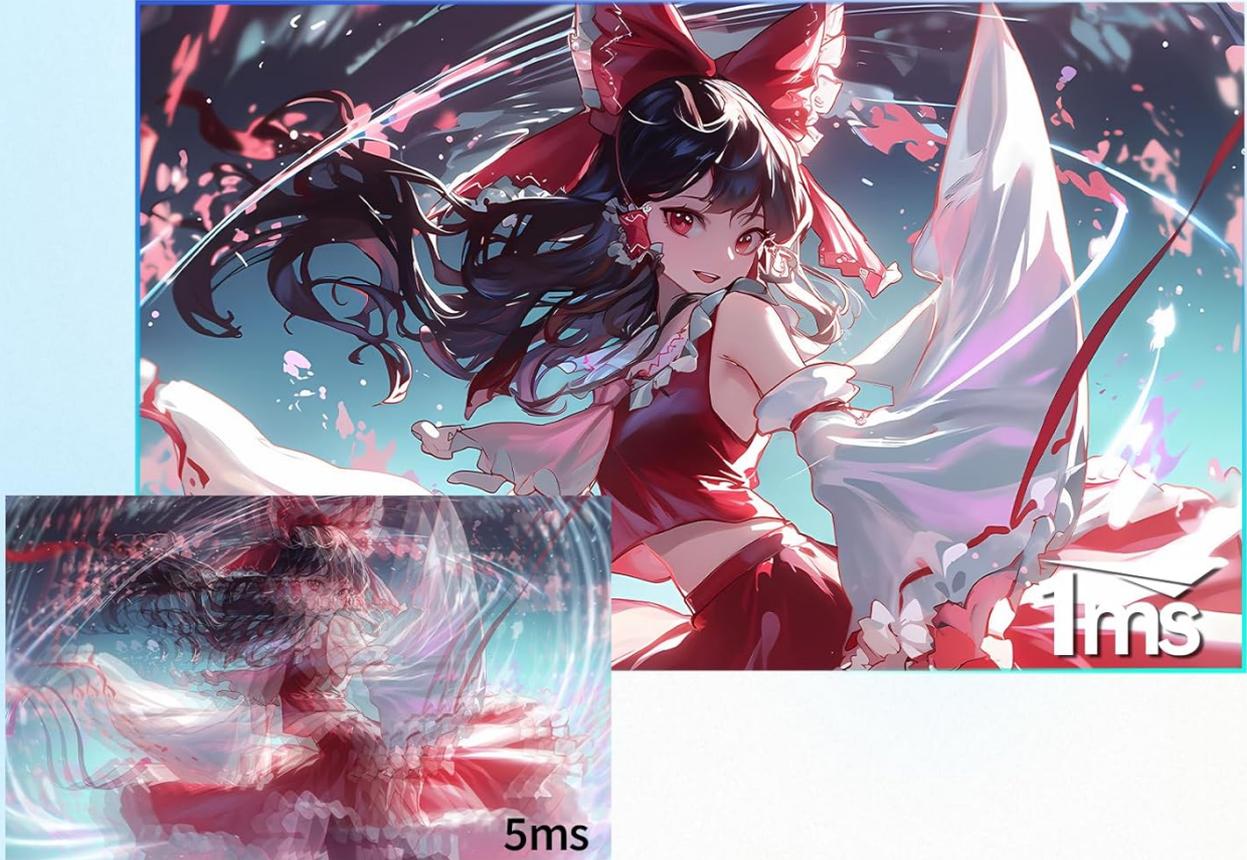


Image: A split image demonstrating the enhanced contrast and detail provided by HDR1400, showing distinct differences between bright and dark areas.

MiniLED

明暗のコントラストが格段に向上。

1152分割のゾーンで、輝度とダークエリアを極め、圧倒的な画質を提供します。深みのあるブラックと鮮やかなホワイトが際立つ。



Image: Layered diagram illustrating how MiniLED technology, Quantum Dot film, and a high-speed IPS panel combine to achieve superior contrast and image quality.

5.4 KVM Functionality

The integrated KVM (Keyboard, Video, Mouse) switch allows you to control multiple computers or devices connected to the monitor using a single keyboard and mouse set. This streamlines your workspace and enhances productivity.



Image: A monitor displaying a game, connected to a PC, with a keyboard and mouse, illustrating the KVM switch functionality for controlling multiple devices.

5.5 Adaptive Sync

The monitor supports Adaptive Sync technology, which synchronizes the display's refresh rate with the frame rate of your graphics card. This eliminates screen tearing and stuttering, providing a smoother and more immersive gaming experience across various graphics hardware.



Image: A split image showing the difference between Adaptive Sync [ON] and [OFF], highlighting how Adaptive Sync prevents screen tearing and stuttering.

5.6 Ergonomic Adjustments and Eye Care

The monitor stand offers full ergonomic adjustments:

- **Height Adjustment (Elevation):** 130 ± 5mm
- **Tilt:** Forward -5° ± 3°, Backward 20° ± 3°
- **Pivot (Rotation):** ±90° (for portrait mode)
- **Swivel (Left/Right):** ±45°

These adjustments allow you to find the most comfortable viewing position. Additionally, the monitor incorporates eye care technologies such as hardware blue light reduction, flicker-free operation, and DC dimming to minimize eye strain during prolonged use.



Image: Detailed illustrations of the monitor's stand adjustments, including elevation, tilt, pivot, and swivel, demonstrating its ergonomic flexibility.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your monitor:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly with water or a screen-cleaning solution. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings on the monitor are not blocked by dust or debris. Periodically clean them with a soft brush or compressed air.
- **Power Off:** Always power off the monitor and unplug it from the power outlet before cleaning or when not in use for extended periods.

7. TROUBLESHOOTING

If you encounter issues with your KTC M27P6 monitor, refer to the following common problems and solutions:

7.1 No Power / No Display

- Ensure the power cable is securely connected to both the monitor and a working power outlet.
- Verify that the power adapter is correctly connected.
- Press the power button/joystick to ensure the monitor is turned on.
- Check the input source. Ensure the correct input (HDMI, DisplayPort, Type-C) is selected in the OSD menu.

7.2 DisplayPort Connection Issues (Slow Recovery from Sleep, No Signal)

Some users have reported instability with DisplayPort connections, particularly when recovering from PC sleep mode or after rebooting. Symptoms include slow display recovery or no signal detected, sometimes requiring manual intervention.

- If the display does not return from sleep or shows no signal:

- Try power cycling the monitor (unplug and replug the power cable).
 - Disconnect and reconnect the DisplayPort cable from both the monitor and your PC.
 - If using a multi-monitor setup, the issue might resolve itself after Windows fully loads and detects the display.
 - Consider updating your graphics card drivers to the latest version.
 - If the issue persists, try using an HDMI connection as an alternative, as this connection type has been reported to be more stable for some users. Note that HDMI may have limitations on refresh rates compared to DisplayPort for certain resolutions.
- Ensure the DisplayPort cable is of high quality and properly certified for the bandwidth required (DP 1.4).
 - Check for firmware updates for the monitor on the KTC official website. While firmware updates may not always resolve all DisplayPort behaviors, they can improve overall stability.

7.3 Screen Tearing or Stuttering

- Ensure Adaptive Sync is enabled in both the monitor's OSD settings and your graphics card control panel.
- Update your graphics card drivers.
- Check your in-game settings to ensure the refresh rate matches the monitor's capabilities.

7.4 Dead Pixels

While rare, a dead pixel might occur. If you notice a persistent dark or bright spot on the screen, refer to the warranty policy for potential remedies.

8. SPECIFICATIONS

Feature	Specification
Brand	KTC
Model	M27P6
Screen Size	27 inches
Panel Type	QD-MiniLED, Fast IPS
Resolution	3840x2160 (4K UHD)
Max Refresh Rate (4K)	160Hz
Max Refresh Rate (FHD)	320Hz
Response Time	1ms (GTG)
HDR Support	HDR1400
Contrast Ratio (HDR)	1,000,000:1
Color Gamut	145% sRGB
Adaptive Sync	Supported
KVM Function	Supported

Feature	Specification
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4, 1x Type-C (65W), 3x USB 3.0 (downstream), 1x Headphone Jack
VESA Mount	100x100mm
Product Dimensions (W x H x D)	61.7 x 54.8 x 21.1 cm (with stand)
Product Weight	10 kg
Color	White

9. WARRANTY AND SUPPORT

KTC provides a **3-year warranty** and a **12-month exchange service** for this product. In the event of a product defect, a free replacement will be provided. Please note that damage due to loss or customer negligence is not covered under warranty.

For any questions or concerns regarding your KTC monitor, please contact our customer support team. We are committed to providing full support to ensure your satisfaction.

Phone: 050-3606-8990

Email: support@ktcpay.com

3年間無償交換保証! 平日 Web & 電話サポート!

KTC モニターをご購入いただき、誠にありがとうございます。当社の製品は3年間の保証がついており、万が一、製品に不具合が生じた場合、無料で新品と交換いたします。ただし、紛失やお客様の過失による故障は保証対象外となりますので、予めご了承ください。



また、何かご不満な点やご質問がございましたら、いつでもお気軽にお問い合わせください。お客様にご満足いただけるよう、全力でサポートさせていただきます。

Image: Graphic detailing the 3-year warranty and contact information for customer support via phone and email.