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KTC H27E22P

KTC 27-inch 280Hz 1ms Gaming Monitor

Model: H27E22P

1. INTRODUCTION

Thank you for choosing the KTC 27-inch 280Hz 1ms Gaming Monitor (Model H27E22P). This manual provides essential information for setting up, operating, and maintaining your new monitor. Please read this manual thoroughly before use to ensure proper functionality and to maximize your gaming and viewing experience.



2. SAFETY INFORMATION

To ensure safe operation and prolong the lifespan of your monitor, please observe the following safety precautions:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- 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 supplied with the monitor.
- Do not attempt to disassemble or repair the monitor yourself. Refer all servicing to qualified personnel.
- Clean the monitor with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

3. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- KTC 27-inch Gaming Monitor (x1)
- Base (x1)
- DP Signal Cable (x1)
- Adaptor (x1)
- Screwdriver (x1)

4. SETUP

4.1 Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the monitor base to the stand column using the provided screw and screwdriver.
3. Align the stand column with the mounting slot on the back of the monitor and gently push until it clicks into place. Ensure it is securely fastened.

4.2 Connecting Your Monitor

The KTC H27E22P monitor offers versatile connectivity options. Connect your devices using the appropriate cables:

- **DisplayPort (DP 1.4):** For optimal performance, including the maximum 280Hz refresh rate.
- **HDMI (HDMI 2.0 x2):** Supports up to 240Hz refresh rate.

- **USB 2.1:** For peripheral connections.
- **Earphone Jack:** For audio output.
- **DC Input:** Connect the power adapter here.



Image 4.1: Rear view of the monitor showing various input ports and the 5-way OSD navigation joystick. After connecting all necessary cables, plug the power adapter into a wall outlet.

Your browser does not support the video tag.

Video 4.1: An official KTC video demonstrating the features and connectivity of the KTC H27E22P monitor.

5. OPERATING YOUR MONITOR

5.1 Power On/Off

Press the 5-way OSD navigation joystick located on the back of the monitor to power it on or off. A short press

will activate the OSD menu.

5.2 OSD Menu Navigation

The monitor's On-Screen Display (OSD) menu allows you to adjust various settings. Use the 5-way joystick on the back of the monitor to navigate:

- **Press:** Select an option or confirm a setting.
- **Up/Down:** Navigate through menu options.
- **Left/Right:** Adjust values or move between sub-menus.

5.3 Key Features and Settings

5.3.1 High Refresh Rate & Response Time

Experience incredibly smooth gameplay with a 280Hz refresh rate and 1ms GTG (Gray-to-Gray) response time. This significantly reduces motion blur and ghosting, providing a competitive edge in fast-paced games.



Image 5.1: Visual representation of 280Hz refresh rate and 1ms GTG response time, highlighting the absence of ghosting.

Blazing-Fast Esports

280Hz / 1ms



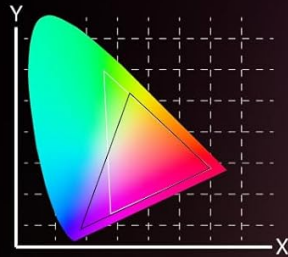
75Hz

Image 5.2: Comparison illustrating the difference between 280Hz and 75Hz refresh rates for esports.

5.3.2 Outstanding Color Accuracy

The monitor boasts a 350 cd/m² brightness, 8-bit color depth with FRC technology for 1.07 billion colors, a 4000:1 dynamic contrast ratio, and 126% sRGB coverage. These features ensure rich hues and excellent detail for both gaming and multimedia content.

Accurate Color Display



126% sRGB
COLOR GAMUT



1.07 Billion
COLOR
SUPPORT



4000:1
CONTRAST
RATIO



8Bit
COLOR
DEPTH



350cd/m²
BRIGHTNESS



Image 5.3: Details on color gamut, brightness, color support, and contrast ratio for accurate color display.

5.3.3 Wide Viewing Angle

The Fast VA panel technology provides a wide 178° viewing angle, ensuring consistent image quality and color from various positions.

Unparalleled Immersive Viewing Experience



Image 5.4: Illustration of the monitor's wide 178-degree viewing angle.

5.3.4 Eye Care Features

Designed for extended use, the monitor incorporates Low Blue Light and Flicker-free technologies to reduce eye strain and fatigue during long gaming sessions.

Less Strain on Eyes



Image 5.5: Icons indicating Low Blue Light and Flicker-free features for reduced eye strain.

5.3.5 Gaming Enhancements

Utilize built-in gaming features such as Crosshair, FPS Counter, and Stabilizer to enhance your in-game performance and experience.

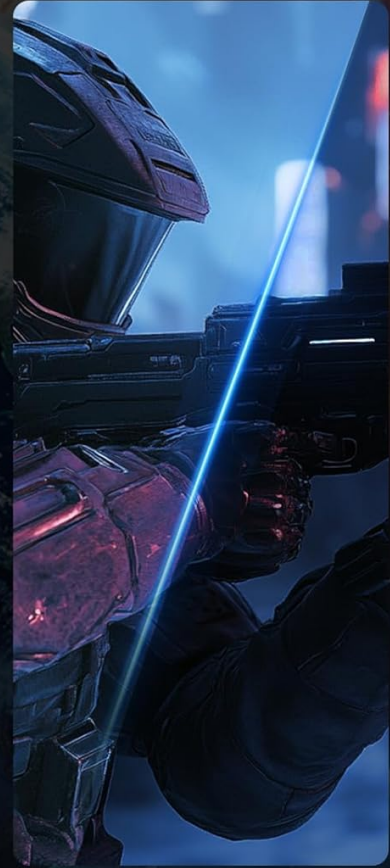
Quick Setup. Swift Victory.



Crosshair



FPS Counter



Stabilizer

Image 5.6: Visuals demonstrating the Crosshair, FPS Counter, and Stabilizer gaming features.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KTC monitor:

- **Screen Cleaning:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a monitor-specific cleaning solution. Never spray liquid directly onto the screen.
- **Frame Cleaning:** Use a soft, dry cloth to clean the monitor frame and stand.
- **Ventilation:** Periodically check that the ventilation slots on the back of the monitor are free from dust and obstructions.
- **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 monitor, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	Monitor is not powered on; Video cable is loose or disconnected; Incorrect input source selected.	Ensure power cable is securely connected and monitor is powered on. Check video cable connections (DP/HDMI). Use the OSD menu to select the correct input source.
Image is blurry or distorted	Incorrect resolution or refresh rate; Cable quality issue.	Ensure your computer's display settings match the monitor's native resolution (1920x1080) and desired refresh rate. Try a different video cable.
No audio	Audio cable not connected; Volume too low; Incorrect audio output selected on PC.	If using the earphone jack, ensure headphones/speakers are connected. Check monitor and PC volume settings. Ensure the monitor is selected as the audio output device on your computer.
OSD menu difficult to navigate	Unfamiliarity with 5-way joystick.	The single button on the back functions as a 5-way joystick. Press it to select, and push it up, down, left, or right to navigate. Refer to section 5.2.

8. SPECIFICATIONS

Detailed technical specifications for the KTC H27E22P monitor:

- **Model Number:** H27E22P
- **Screen Size:** 27 Inches
- **Panel Type:** Fast VA
- **Resolution:** 1920 x 1080 Pixels (FHD 1080p)
- **Refresh Rate:** Up to 280Hz (DisplayPort), Up to 240Hz (HDMI)
- **Response Time:** 1ms GTG
- **Brightness:** 350 Candela (cd/m²)
- **Contrast Ratio:** 4000:1
- **Color Depth:** 8-bit + FRC (1.07 Billion Colors)
- **Color Gamut:** 126% sRGB
- **Aspect Ratio:** 16:9
- **Viewing Angle:** 178° (Horizontal/Vertical)
- **Connectivity:** DisplayPort 1.4 x1, HDMI 2.0 x2, USB 2.1 x1, Earphone Jack x1, DC Input
- **VESA Mount:** 100x100mm
- **Product Dimensions:** 27 x 19 x 6.3 inches
- **Item Weight:** 15 pounds

- **Power:** 12 Volts (DC)

9. WARRANTY AND SUPPORT

KTC offers a **3-year warranty** on this monitor, ensuring peace of mind for your purchase. For any technical assistance, warranty claims, or product inquiries, please contact KTC customer support through the following channels:

- **Online Support:** Visit the official KTC store on Amazon or their dedicated support website.
- **Seller Messaging:** You can directly message the seller, Ktcmonitor-Official, through your Amazon order details for prompt assistance.

Additional protection plans (3-Year and 4-Year) may be available for purchase separately to extend your coverage.