

KTC H27P3

KTC 27 Inch 5K Monitor (Model H27P3) User Manual

Model: H27P3 | Brand: KTC

1. INTRODUCTION

Thank you for choosing the KTC 27 Inch 5K Monitor, Model H27P3. This monitor is designed to deliver exceptional visual clarity and performance for both professional and personal use. Featuring a 5120x2880 resolution, IPS panel, HDR 400 support, and versatile connectivity, it offers a premium viewing experience. This manual provides essential information for setting up, operating, and maintaining your monitor to ensure optimal performance and longevity.



Image 1.1: The KTC 27 Inch 5K Monitor (H27P3) showcasing its display capabilities.

2. PACKAGE CONTENTS

Please verify that all items listed below are present in your package. If any items are missing or damaged, please contact KTC customer support.

- Monitor (H27P3) x1
- Base x1
- Quick Start Guide (QSG) x1
- DisplayPort (DP) Cable x1
- Type-C Cable x1
- Power Adapter x1
- Power Cord x1
- Screwdriver x1

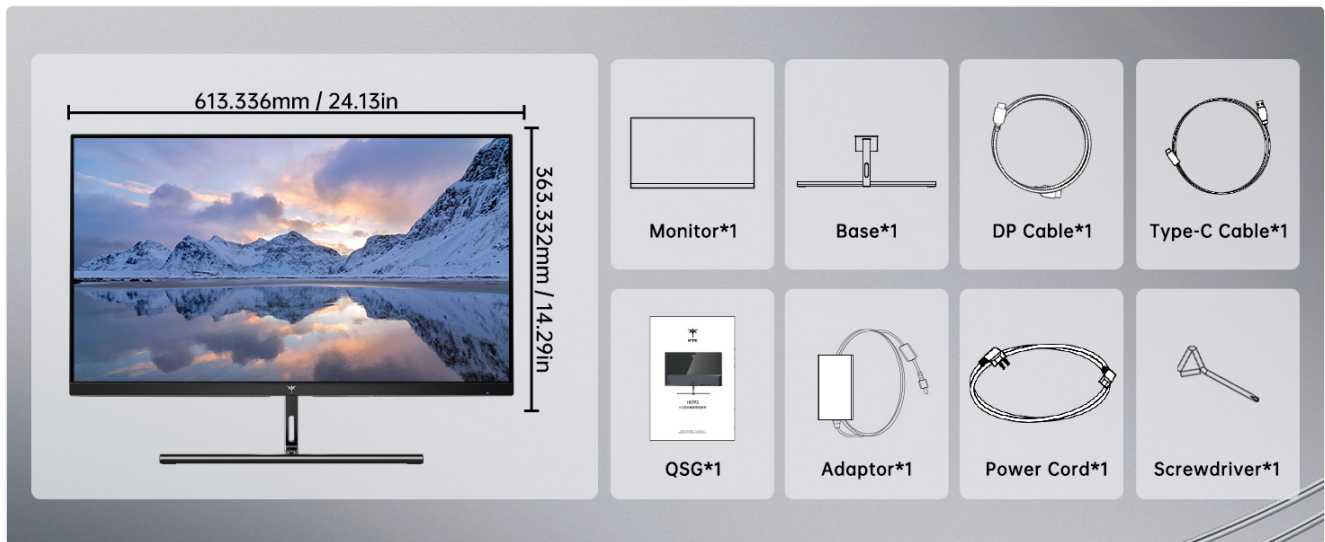


Image 2.1: Overview of the KTC 27 Inch 5K Monitor and its included accessories.

3. SETUP INSTRUCTIONS

3.1. Stand Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck. Secure it with the provided screw using the screwdriver.

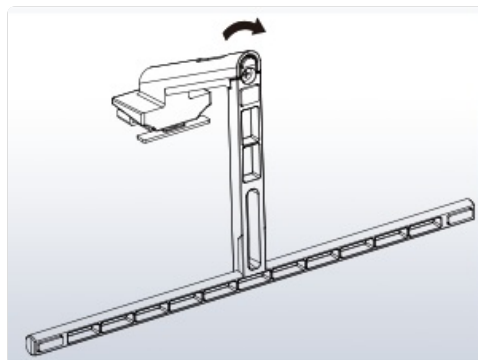


Image 3.1: Illustration of attaching the stand base.

3. Align the assembled stand with the mounting slot on the back of the monitor.
4. Gently push the stand into the slot until it clicks securely into place. Ensure it is firmly attached.



Image 3.2: The monitor stand attached, showing the tilt functionality.

3.2. Connecting Cables

Connect the appropriate cables from your computer or device to the monitor's input ports.

- **Power Connection:** Connect the power adapter to the monitor's DC input port, then plug the power cord into a power outlet.
- **Video Connection:** Choose one of the following options:

- **DisplayPort (DP):** Connect the DP cable from your computer's DP output to the monitor's DP 1.4 input.
- **HDMI:** Connect the HDMI cable from your computer's HDMI output to the monitor's HDMI 2.0 input.
- **Type-C:** For compatible devices, connect the Type-C cable from your device to the monitor's full-function 65W Type-C port. This port supports video, data, and power delivery.
- **USB Peripherals:** Connect USB devices (e.g., keyboard, mouse) to the monitor's USB 3.0 downstream ports.
- **Audio Output:** Connect headphones or external speakers to the earphone jack if desired.

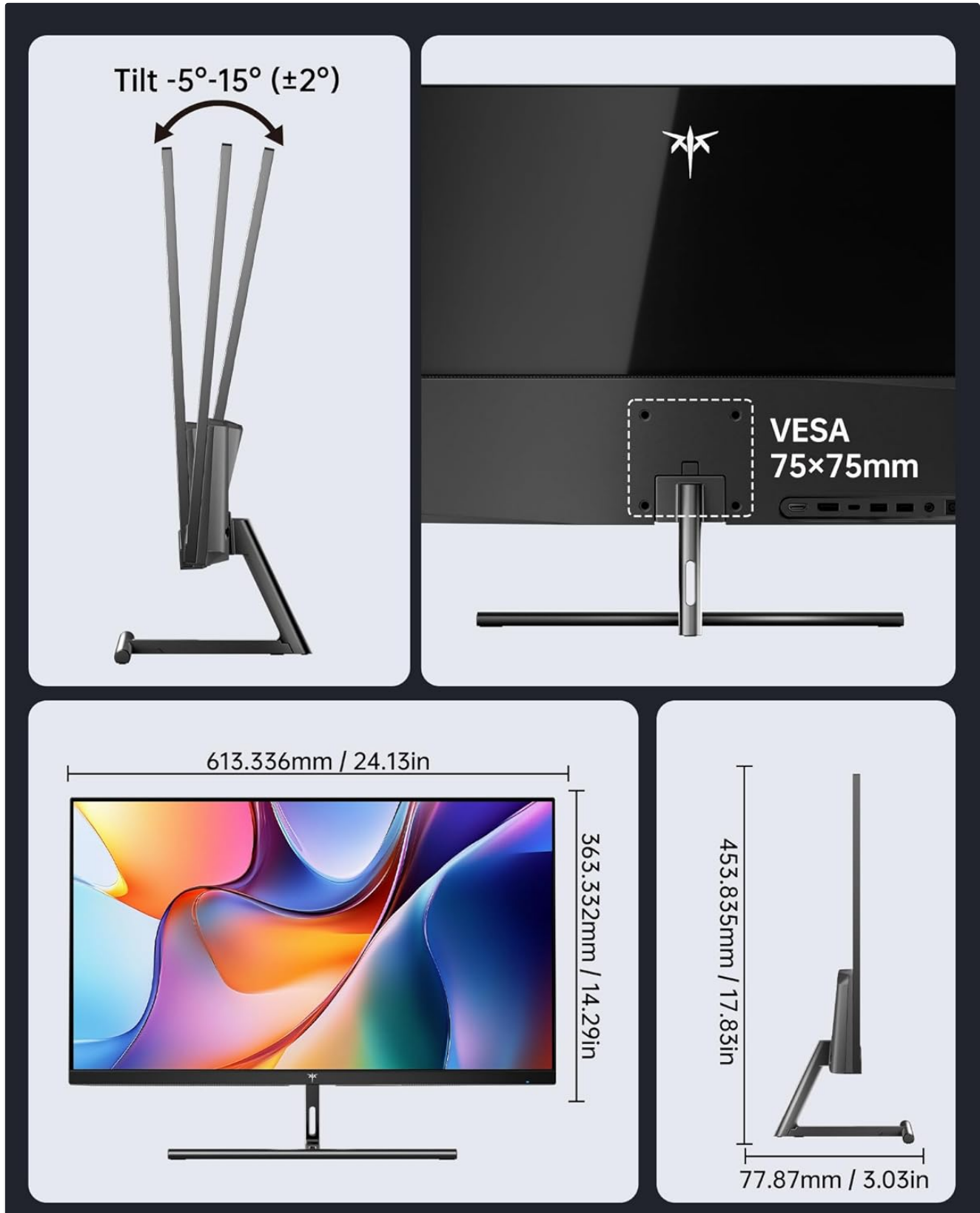


Image 3.3: Detailed view of the monitor's flexible connectivity options.

3.3. Powering On

Press the power button, usually located on the back or bottom of the monitor, to turn it on. The power indicator light will illuminate.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

Press the power button to turn the monitor on or off. A short press typically turns it on, while a longer press may turn it off or put it into standby mode.

4.2. On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the joystick or buttons (refer to the Quick Start Guide for specific controls) to navigate the menu and make selections. Common settings include brightness, contrast, color temperature, input source, and picture modes.

4.3. Input Selection

If multiple devices are connected, use the OSD menu or a dedicated input selection button to switch between DisplayPort, HDMI, and Type-C inputs.

4.4. Dual Mode Operation

The monitor supports a dual mode for resolution and refresh rate:

- **5K (5120x2880) at 60Hz:** Ideal for high-resolution tasks, graphic design, and detailed content viewing.
- **2K (2560x1440) at 120Hz:** Suitable for smoother motion, such as gaming or fast-paced video content.

You can switch between these modes through your connected device's display settings or potentially via the monitor's OSD menu, depending on the source signal.

5K 60Hz or 2K 120Hz

Best Choice for Mac & Windows Users

120Hz



Image 4.1: Visual representation of the monitor's dual mode capability (5K 60Hz or 2K 120Hz).

4.5. Adaptive Sync

This monitor features Adaptive Sync technology, which synchronizes the monitor's refresh rate with your graphics card's frame rate. This helps eliminate screen tearing and stuttering, providing a smoother visual experience, especially in dynamic content like video games.



Image 4.2: Demonstration of Adaptive Sync technology reducing screen tearing.

5. KEY FEATURES

5.1. Premium 5K Display

Experience stunning visuals with a 27-inch IPS panel offering a 5120x2880 resolution and 217 PPI (Pixels Per Inch). This delivers ultra-sharp details and smooth gradients, enhancing clarity for all content.

Stunning 5K Ultra High Resolution

Compatible with Mac Mini

5K
HDR

IPS

217
High-PPI



*For display purposes only, not for sale.

Image 5.1: Visual comparison of 5K (5120x2880) versus 4K (3840x2160) resolution on the KTC monitor.

5.2. Exceptional Color Accuracy and HDR

The monitor features 135% sRGB color gamut area, 100% sRGB color gamut coverage, 500 cd/m² brightness, and a 2000:1 contrast ratio. With 1.07 billion colors and HDR400 support, it provides deep contrasts and vibrant, true-to-life colors, aligning with professional color standards.

Precision for Creatives

Enjoy true-to-life colors



135%_{sRGB}
Color Gamut Area

2000:1
Contrast Ratio

500cd/m²
Brightness

1.07B
(8-bit+FRC)

HDR400

$\Delta E < 2$

Image 5.2: The monitor's precision for creative tasks, showcasing true-to-life colors.



Image 5.3: Key display specifications for color and contrast performance.

5.3. Eye Care Technology

The monitor incorporates Eye-Care features, including low blue light emission and flicker-free technology. These features are designed to reduce eye fatigue, irritation, and strain during extended use, promoting a more comfortable viewing experience.

Eye Care Monitor



Low Blue Light



Anti-flicker



Anti-glare



Image 5.4: The KTC monitor's Eye Care features for reduced eye strain.



Image 5.5: Visual explanation of flicker-free and blue light reduction technologies.

6. CONNECTIVITY

The KTC H27P3 monitor offers a comprehensive set of ports for flexible connection to various devices:

- **Type-C (65W, Full Function) x1:** Supports video, data transfer, and power delivery up to 65W, allowing single-cable connection for compatible laptops and devices.
- **DisplayPort 1.4 x1:** For high-resolution video input.
- **HDMI 2.0 x1:** For standard video input.
- **USB 3.0 (Downstream) x2:** For connecting peripherals like keyboards, mice, or external storage.
- **Earphone Jack x1:** For audio output to headphones or external speakers.

Full - function 65W Type - C

Easily charge and connect your devices



Image 6.1: The full-function 65W Type-C port enabling charging and data/video transfer.

7. SPECIFICATIONS

Below are the detailed technical specifications for the KTC 27 Inch 5K Monitor (H27P3):

Feature	Specification
Brand	KTC

Feature	Specification
Model Number	H27P3
Screen Size	27 Inches
Resolution	5120 x 2880 Pixels (5K UHD 2880p)
Aspect Ratio	16:9
Panel Type	IPS
Image Brightness	500 Candela per Square Meter (cd/m²)
Contrast Ratio	2000:1
HDR Support	HDR400
Color Gamut	135% sRGB area, 100% sRGB coverage
Connectivity	1x Type-C (65W), 1x DP 1.4, 1x HDMI 2.0, 2x USB 3.0 (downstream), 1x Earphone Jack
VESA Compatibility	75x75mm
Product Dimensions	4.16 x 19.75 x 24.87 inches
Item Weight	8.27 pounds
Voltage	24 Volts
Screen Surface Description	Matte

8. MAINTENANCE

8.1. Cleaning the Monitor

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive materials, as these can damage the screen or casing.

8.2. General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure adequate ventilation around the monitor to prevent overheating.
- Do not block ventilation openings.
- Handle the monitor with care to prevent physical damage.

9. TROUBLESHOOTING

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

9.1. No Display or "No Signal" Message

- Ensure the monitor's power cord is securely connected to both the monitor and a working power outlet.
- Verify that the video cable (DP, HDMI, or Type-C) is firmly connected to both the monitor and your computer/device.
- Check if your computer/device is powered on and not in sleep mode.
- Use the OSD menu to manually select the correct input source.
- Try a different video cable or port if available.

9.2. Flickering or Unstable Image

- Ensure the video cable is securely connected.
- Adjust the refresh rate in your computer's display settings.
- Disable Adaptive Sync in the OSD menu temporarily to see if the issue persists.
- Check for any nearby electronic devices that might cause interference.

9.3. Color Issues or Distorted Image

- Reset the monitor to factory default settings via the OSD menu.
- Adjust color settings (brightness, contrast, color temperature) in the OSD menu.
- Ensure your graphics card drivers are up to date.

If these steps do not resolve the issue, please contact KTC customer support for further assistance.


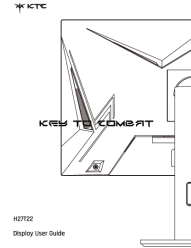
10. WARRANTY AND SUPPORT

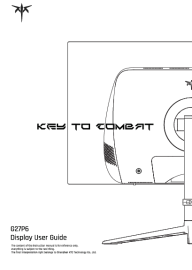
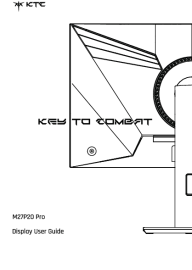
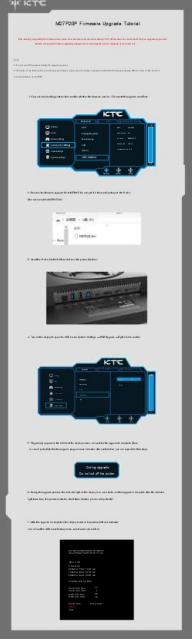
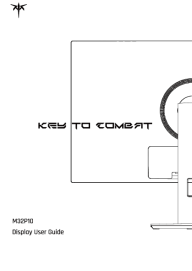
KTC provides a three-year warranty for this monitor, ensuring peace of mind regarding product quality and performance. Our dedicated customer support team is available to assist you with any questions or issues you may encounter.

If you experience any problems with your KTC 27 Inch 5K Monitor (H27P3), please do not hesitate to contact us. We commit to responding to your inquiries within 12 hours.

For support, please visit the official KTC website or refer to the contact information provided in your Quick Start Guide.

Related Documents - H27P3

	<p>KTC H27P3 LCD Monitor User Guide and Specifications</p> <p>User guide for the KTC H27P3 27-inch LCD Monitor, detailing product introduction, installation, features, technical specifications, safety precautions, and troubleshooting.</p>
	<p>KTC H27T22 Display User Guide</p> <p>User guide for the KTC H27T22 display, covering product introduction, installation, operation, troubleshooting, and technical specifications.</p>

 <p>The cover of the KTC G27P6 OLED Monitor User Guide features the KTC logo at the top left, the 'KEY TO COMBAT' slogan, and a stylized illustration of the monitor. The title 'G27P6 Display User Guide' is at the bottom.</p>	<p>KTC G27P6 OLED Monitor User Guide</p> <p>User guide for the KTC G27P6 OLED Monitor, detailing safety precautions, installation, connection, operation, troubleshooting, and technical specifications.</p>
 <p>The cover of the KTC M27P20 Pro Display User Guide features the KTC logo at the top left, the 'KEY TO COMBAT' slogan, and a stylized illustration of the monitor. The title 'M27P20 Pro Display User Guide' is at the bottom.</p>	<p>KTC M27P20 Pro Display User Guide</p> <p>User guide for the KTC M27P20 Pro display, covering important safety precautions, product introduction, installation, operation, troubleshooting, and technical specifications.</p>
 <p>The cover of the KTC M27P20P Firmware Upgrade Tutorial features the KTC logo at the top left and a vertical sequence of images showing the monitor's settings menu and the upgrade process. The title 'M27P20P Firmware Upgrade Tutorial' is at the top.</p>	<p>KTC M27P20P Firmware Upgrade Tutorial</p> <p>A step-by-step guide for upgrading the firmware on the KTC M27P20P monitor. Includes instructions on preparing the USB drive, performing the upgrade, and resetting the monitor.</p>
 <p>The cover of the KTC M32P10 Display User Guide features the KTC logo at the top left, the 'KEY TO COMBAT' slogan, and a stylized illustration of the monitor. The title 'M32P10 Display User Guide' is at the bottom.</p>	<p>KTC M32P10 Display User Guide</p> <p>User guide for the KTC M32P10 display, covering safety precautions, installation, connection, operation, troubleshooting, and technical specifications. This 32-inch 4K UHD MiniLED gaming monitor features 144Hz refresh rate, 1ms response time, HDR1000, and multiple connectivity options including HDMI, DP, USB, and Type-C.</p>