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> [KTC H27P3 27-inch 5K Dual Mode Monitor User Manual](#)

## KTC H27P3

# KTC H27P3 27-inch 5K Dual Mode Monitor User Manual

Model: H27P3 | Brand: KTC

## 1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your KTC H27P3 27-inch 5K Dual Mode Monitor. Please read it thoroughly before using the product to ensure optimal performance and safety.



Image: Front view of the KTC H27P3 27-inch 5K Dual Mode Monitor, highlighting its sleek design and high-resolution display.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 5K2K Monitor (x1)
- Monitor Stand (x1)
- Quick Start Guide (QSG) (x1)
- DisplayPort (DP) Cable (x1)

- Type-C Cable (x1)
- Power Adapter (x1)
- Power Cord (x1)
- Screwdriver (x1)



Image: Visual representation of the accessories included with the KTC H27P3 monitor, such as cables, stand, and power adapter.

### 3. PRODUCT OVERVIEW

#### 3.1 Key Features

- **Dual Mode Display:** Supports 5K (5120x2880) at 60Hz for high-resolution tasks and 2K (2560x1440) at 160Hz for smoother gaming and multitasking.
- **Professional Color Accuracy:** Features 99% DCI-P3 and 100% sRGB coverage with a  $\Delta E < 2$  for precise color reproduction, suitable for design and video editing.
- **HDR400 & High Brightness:** VESA DisplayHDR 400 certification with 500 cd/m<sup>2</sup> (typical) brightness for vivid and detailed visuals in various lighting conditions.
- **Eye Care Technology:** Integrated Flicker-Free, Hardware Low Blue Light, and DC Dimming technologies to minimize eye strain during prolonged use.
- **Versatile Connectivity:** Includes USB-C with 65W Power Delivery, DisplayPort 1.4, HDMI 2.0, and two USB A 3.0 ports for broad device compatibility.



Image: Infographic detailing the monitor's key features including 5K resolution, brightness, color gamut, HDR support, USB-C power

delivery, and various ports.

## 3.2 Ports and Connectors

The monitor provides a range of input and output ports for connecting to various devices:

- **DisplayPort 1.4 (x1):** Supports up to 5K (5120x2880) at 60Hz or 2K (2560x1440) at 120Hz.
- **HDMI 2.0 (x1):** Supports up to 4K (3840x2160) at 60Hz.
- **USB-C (x1):** Supports 5K (5120x2880) at 60Hz or 2K (2560x1440) at 120Hz, with 65W Power Delivery for charging compatible devices.
- **USB A 3.0 (x2):** For connecting peripherals.
- **Earphone Jack (x1):** For audio output.
- **DC Power Input (x1):** For connecting the power adapter.



Image: Detailed view of the monitor's rear panel, illustrating the various input/output ports including HDMI, DisplayPort, USB-C, and USB 3.0.

## 4. SETUP INSTRUCTIONS

### 4.1 Monitor Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the monitor stand base to the stand neck using the provided screwdriver and screws.
3. Align the assembled stand with the mounting points on the back of the monitor and securely attach it.



Image: The KTC H27P3 monitor fully assembled on its stand, ready for connection.

## 4.2 Connecting to a Device

Connect your computer or other devices to the monitor using the appropriate cables:

- **DisplayPort:** Use the provided DP cable for 5K@60Hz or 2K@120Hz resolution.
- **HDMI:** Use an HDMI 2.0 cable for up to 4K@60Hz resolution.
- **USB-C:** Connect a compatible USB-C cable for video, data transfer, and 65W power delivery.
- **USB A 3.0:** Connect USB peripherals to the monitor's USB A ports.

## 4.3 Power Connection

1. Connect the power adapter to the DC power input port on the monitor.
2. Plug the power cord into the power adapter and then into a power outlet.

For a visual guide on setting up the monitor, please refer to the video below:

Your browser does not support the video tag.

Video: A quick review of the KTC 27-inch 5K2K monitor, demonstrating its features and setup process.

## 5. OPERATING INSTRUCTIONS

### 5.1 Power On/Off

Locate the power button (usually a joystick or button on the back/bottom of the monitor) and press it to turn the monitor on or off.

## 5.2 OSD Menu Navigation

Use the joystick/buttons to navigate the On-Screen Display (OSD) menu. This menu allows you to adjust various settings such as brightness, contrast, color modes, input source, and more.

## 5.3 Picture Modes & Color Settings

The monitor offers several picture modes and color adjustments to optimize your viewing experience:

- **Color Gamut:** Utilize the 99% DCI-P3 and 100% sRGB coverage for accurate color work.
- **HDR400:** Enable HDR mode for enhanced contrast and brightness in compatible content.
- **Brightness/Contrast:** Adjust these settings to your preference via the OSD menu.

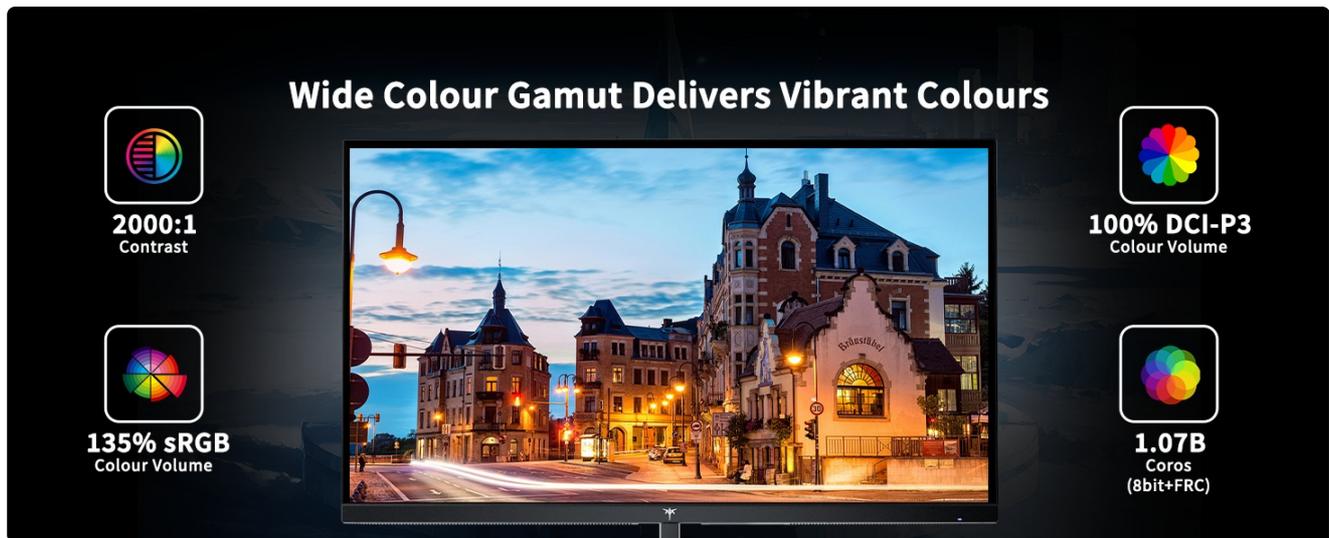


Image: The monitor showcasing vibrant colors, with text indicating 2000:1 contrast, 500cd/m<sup>2</sup> brightness, 135% sRGB, and 100% DCI-P3 color volume.

## 5.4 Eye Care Settings

To reduce eye strain, the monitor incorporates the following technologies:

- **Flicker-Free:** Eliminates screen flickering.
- **Hardware Low Blue Light:** Reduces harmful blue light emissions.
- **DC Dimming:** Provides smooth brightness adjustments without flickering.



Image: Infographic illustrating the monitor's eye protection features: Hardware-Level Blue Light Filtering, DC Dimming, and Flicker-Free Technology.

## 5.5 Dual Mode Switching

The monitor supports two primary display modes:

- **5K (5120x2880) @60Hz:** Ideal for high-resolution content creation and detailed work.
- **2K (2560x1440) @160Hz:** Provides a smoother experience for gaming and general use.

Switch between these modes through your device's display settings or the monitor's OSD menu.



Image: The monitor displaying a racing game, with text indicating "Dual-Mode Support for Switching to High Speed" between 2K@120Hz and 5K@60Hz.

## 6. SPECIFICATIONS

Feature	Detail
Model Number	H27P3
Screen Size	27 Inches
Resolution	5120 x 2880 Pixels (5K)
Aspect Ratio	16:9
Refresh Rate	60Hz (5K), 160Hz (2K)
Image Brightness	500 Candela (cd/m <sup>2</sup> )
HDR Support	HDR400
Color Gamut	99% DCI-P3, 100% sRGB, $\Delta E < 2$
Connectivity	1x DisplayPort 1.4, 1x HDMI 2.0, 1x USB-C (65W PD), 2x USB A 3.0, 1x Earphone Jack
Panel Type	IPS
Screen Surface	Matte
Product Dimensions	3 x 24.1 x 17.8 inches
Item Weight	13.32 pounds

Manufacturer

KTC