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KTC H27T22S

KTC 27-Inch QHD Gaming Monitor H27T22S User Manual

Model: H27T22S

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your KTC 27-Inch QHD Gaming Monitor (Model H27T22S). Designed for an immersive gaming and viewing experience, this monitor features a Fast IPS panel, 2K QHD resolution, a 180Hz refresh rate, and 1ms GTG response time. Please read this manual thoroughly before using your monitor to ensure optimal performance and longevity.

What's in the Box

- Monitor + Stand Set
- DP Cable (1.5M/59")
- Power Cord (1.5M/59")
- Adapter include 1M Output Line
- Screwdriver

Setup

1. Assembling the Stand

Carefully attach the monitor stand to the back of the monitor. Ensure all screws are tightened securely using the provided screwdriver. The monitor also supports 100x100mm VESA mounting for alternative setups (mounting hardware not included).

Image: Rear view of the KTC H27T22S monitor, highlighting the various input ports and the 100x100mm VESA mounting pattern for flexible installation options.

2. Connecting Cables

Connect the DisplayPort (DP) cable from your computer's graphics card to the DisplayPort 1.4 input on the monitor for optimal performance (up to 2560x1440@180Hz). Alternatively, use HDMI cables to connect to the HDMI 2.0 ports (up to 2560x1440@144Hz). A USB 2.0 port is also available for service or peripheral connection. Ensure all connections are firm.

DisplayPort 1.4: x1 (2560x1440@180Hz)

HDMI 2.0: x2 (2560x1440@144Hz)

USB 2.0: x1 (Service/Upgrade)

Earphone Jack: x1

3. Power Connection

Connect the power cord to the monitor's DC input and then to a power outlet. The monitor is now ready for use.

Operating Instructions

1. Power On/Off

The monitor typically powers on automatically when a signal is detected. To manually control power or access the OSD, use the 5-way OSD Joyskick located on the monitor.

2. On-Screen Display (OSD) Navigation

The 5-way OSD Joyskick allows intuitive navigation through the monitor's settings. Push the joystick in to open the OSD menu, then move it up, down, left, or right to select and adjust options.

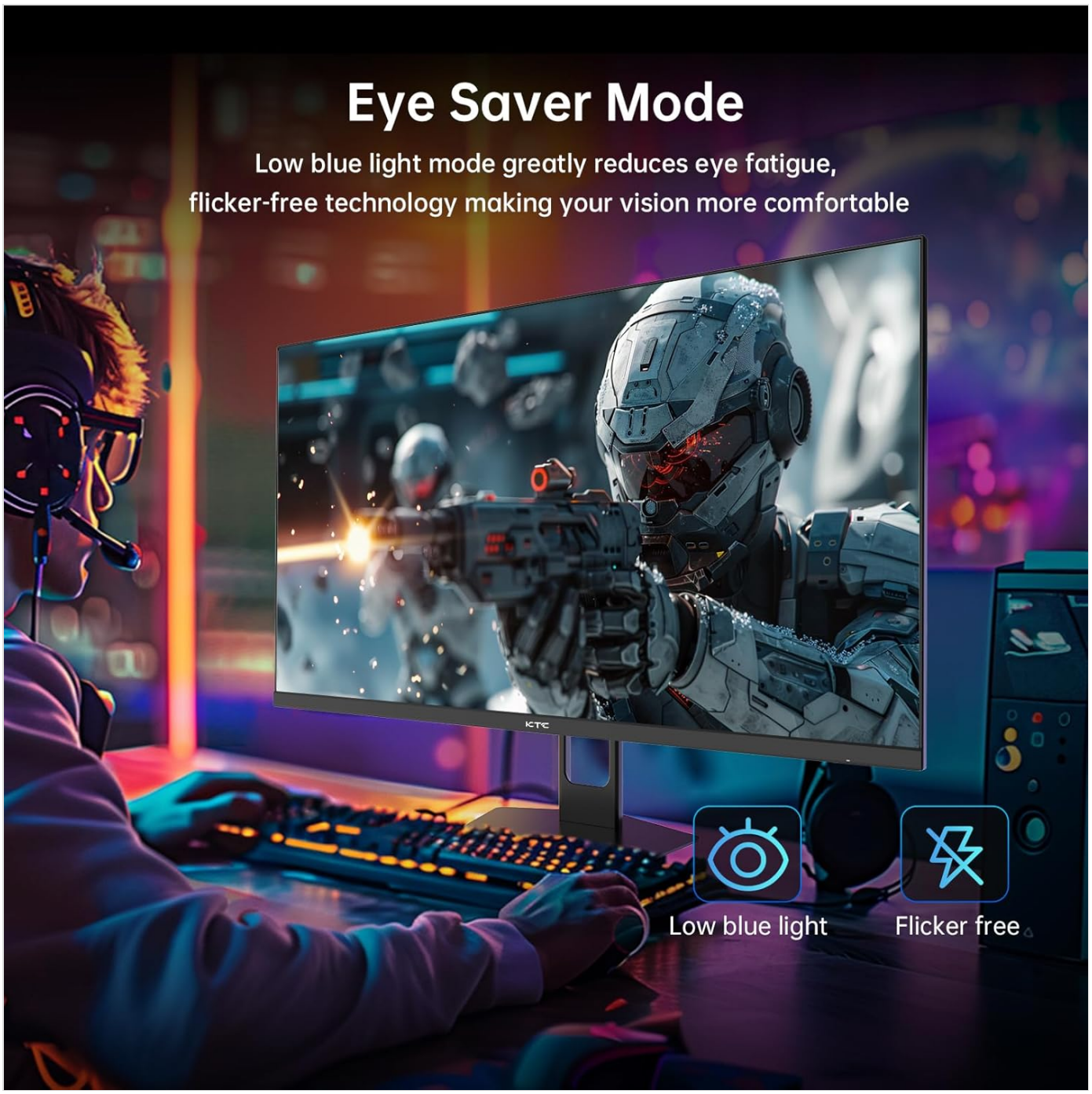

Image: Detail of the 5-way OSD Joyskick, used for navigating the monitor's settings and menus.

3. Key Features and Adjustments

- **High Image Quality:** The 27-inch Fast IPS panel delivers crisp 2K QHD (2560x1440) resolution, ideal for gaming, video, and work. Its frameless design enhances immersion.

Image: The monitor showcasing its 2K QHD resolution, providing sharp and detailed visuals for an enhanced viewing experience.

- **180Hz Refresh Rate & 1ms GTG Response Time:** Experience ultra-smooth gameplay with a 180Hz refresh rate and a rapid 1ms Gray-to-Gray (GTG) response time, crucial for fast-paced games.

Image: A dynamic game scene on the monitor, demonstrating the benefits of its 180Hz refresh rate and 1ms GTG response time for fluid motion.

- **Adaptive Sync:** This technology effectively prevents screen tearing and stuttering, ensuring a seamless visual experience during gaming.

Your browser does not support the video tag.

Video: An official KTC video demonstrating the features of the H27T22S monitor, including its 180Hz refresh rate, 1ms GTG response time, and multi-interface compatibility.

- **Stunning Colors & HDR:** Enjoy realistic and vivid colors with 120% sRGB wide color gamut, 350cd/m² brightness, and a 1000:1 contrast ratio. HDR support brings more detail and nuance to your screen.

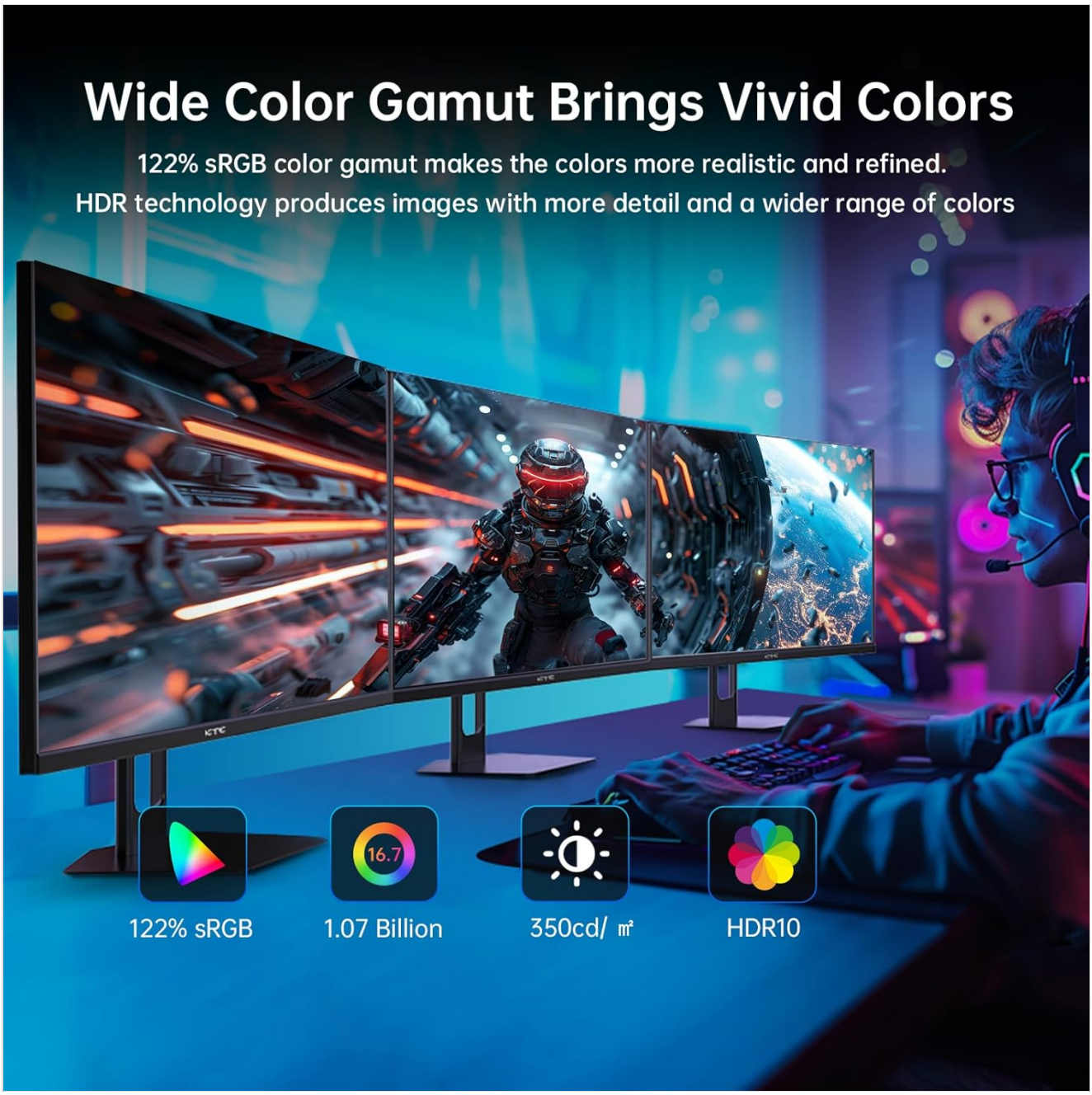

Image: The monitor showcasing its wide color gamut and HDR capabilities, producing rich and accurate colors for an immersive visual experience.

- **Tilt Adjustment:** The monitor allows for tilt adjustment from -5° to 15° to find your most comfortable viewing angle.
- **GamePlus:** Enhance your gaming with GamePlus features, designed to eliminate FPS drops and provide an immersive experience.
- **Eye Care Mode:** Minimize blue light emission to reduce eye strain during extended viewing sessions, promoting comfortable use.

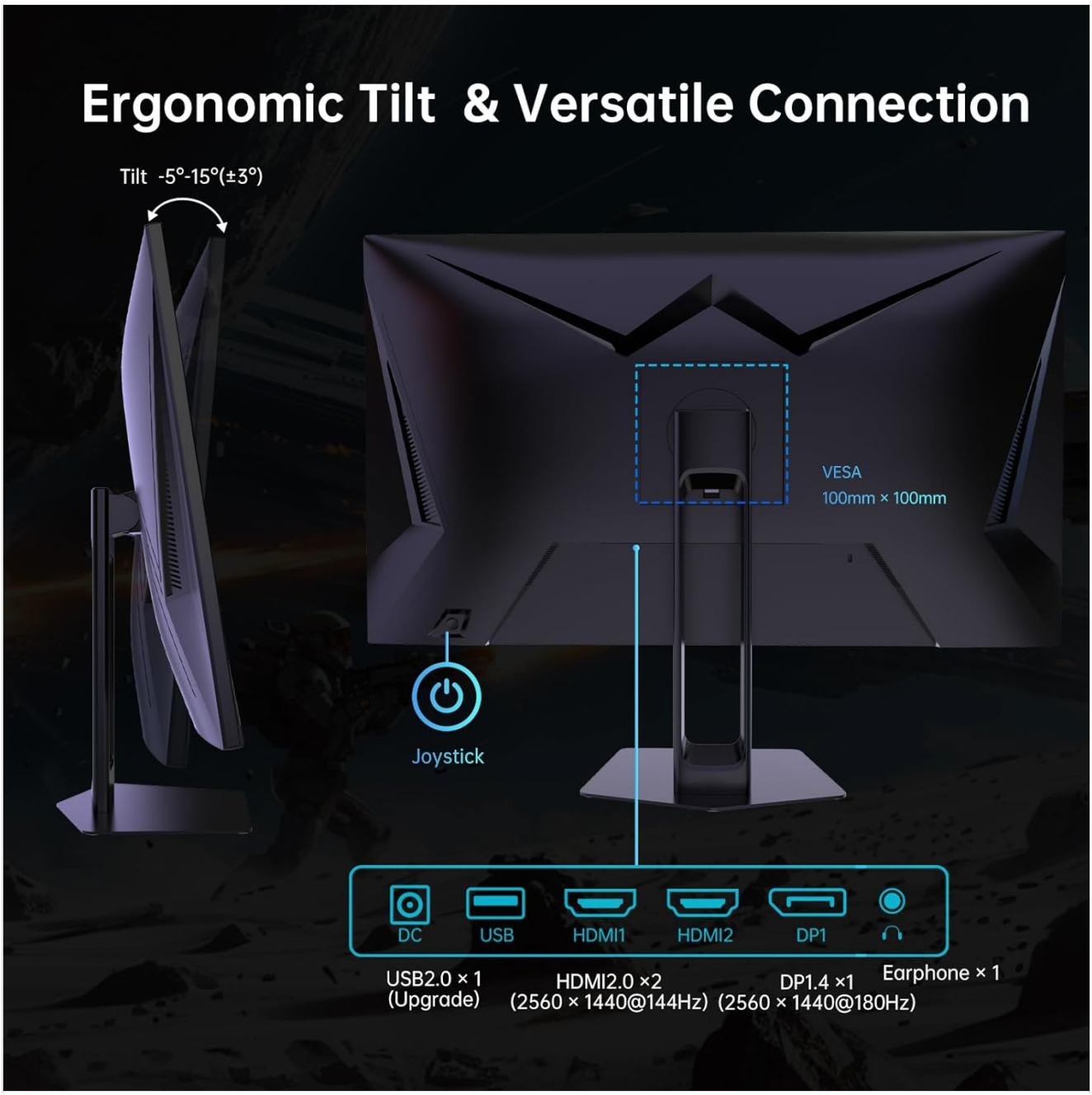

Image: The monitor in Eye Saver Mode, demonstrating its blue light reduction feature for improved eye comfort during long usage periods.

Maintenance

1. Cleaning the Monitor

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a mild, non-abrasive screen cleaner. Avoid using harsh chemicals or abrasive materials that could damage the screen surface.

2. General Care

Keep the monitor in a well-ventilated area. Avoid exposing it to direct sunlight, high humidity, or extreme temperatures. Do not block the ventilation openings on the monitor's casing.

Troubleshooting

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Signal cable disconnected; Incorrect input source selected.	Ensure power cable is securely connected. Check DisplayPort/HDMI cable connections. Use the OSD Joyskick to select the correct input source.
Image flickering or distorted	Incorrect refresh rate; Cable issue; Adaptive Sync not enabled.	Verify refresh rate is set to 180Hz (DP) or 144Hz (HDMI) in your computer's display settings. Try a different cable. Ensure Adaptive Sync is enabled in the OSD menu.
Colors appear incorrect	Color settings misconfigured; HDR setting incorrect.	Adjust color settings (brightness, contrast, color temperature) via the OSD. If using HDR, ensure it's set to "Auto" in the monitor's OSD and enabled in your operating system.
Monitor does not turn on from sleep	Power management settings; Minor software glitch.	Check computer's power management settings. Try turning the monitor off and on using the power button/joystick.

Specifications

Feature	Detail
Screen Size	27 Inches
Resolution	2560x1440 (QHD Wide 1440p)
Refresh Rate	180Hz (DisplayPort), 144Hz (HDMI)
Response Time	1ms GTG
Panel Type	Fast IPS
Color Gamut	120% sRGB
Brightness	350cd/m²
Contrast Ratio	1000:1
Connectivity	1x DisplayPort 1.4, 2x HDMI 2.0, 1x USB 2.0, 1x Earphone Jack
Tilt Adjustment	-5° to 15°
VESA Compatibility	100x100mm
Dimensions (LxWxH)	6.3 x 27.1 x 19.09 inches
Weight	15.87 pounds

Warranty and Support

Your KTC H27T22S monitor comes with standard manufacturer's warranty. For specific warranty details, please refer to

the documentation included with your purchase or visit the official KTC website. Extended protection plans may also be available for purchase.
For technical support, troubleshooting assistance, or warranty claims, please contact KTC customer service. You can find more information and support resources on the Official KTC Store on Amazon.

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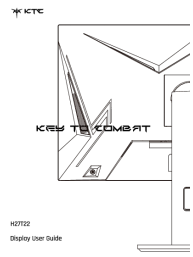
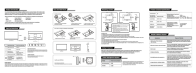
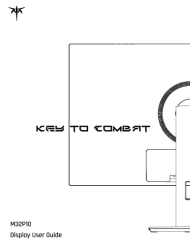
	KTC H27T22 Display User Guide User guide for the KTC H27T22 display, covering product introduction, installation, operation, troubleshooting, and technical specifications.
	KTC H32T13 LCD Monitor User Guide User guide for the KTC H32T13 LCD Monitor, detailing product introduction, installation, specifications, and troubleshooting.
	KTC M32P10 Display User Guide 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.
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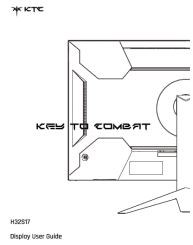	KTC H32S17 31.5-inch QHD 165Hz Gaming Monitor User Guide Comprehensive user guide for the KTC H32S17 31.5-inch QHD 165Hz gaming monitor, covering installation, operation, troubleshooting, and technical specifications.
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