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SANSUI ES-G27D1U

SANSUI 27" 4K Gaming Monitor (Model: ES-G27D1U) Instruction Manual

Comprehensive guide for setup, operation, and maintenance of your SANSUI ES-G27D1U monitor.

1. Introduction

This manual provides detailed instructions for the SANSUI 27" 4K Gaming Monitor, Model ES-G27D1U. This monitor features a 27-inch Fast IPS panel with dual-mode capabilities (4K UHD at 160Hz or FHD at 320Hz), a 1ms MPRT response time, HDR400 support, and various AI-powered gaming enhancements. Please read this manual thoroughly before using your monitor to ensure proper setup and operation.

2. What's in the Box

Verify that all components are present in the packaging:

- SANSUI 27" 4K Gaming Monitor
- Monitor Stand
- 1x DisplayPort (DP) Cable
- 1x HDMI Cable
- Power Cable
- Quick Start Guide
- Warranty Card

3. Setup and Assembly

Follow these steps to assemble your monitor and connect it to your devices.

3.1. Stand Assembly

Attach the monitor stand to the back of the display panel. Ensure it is securely fastened.

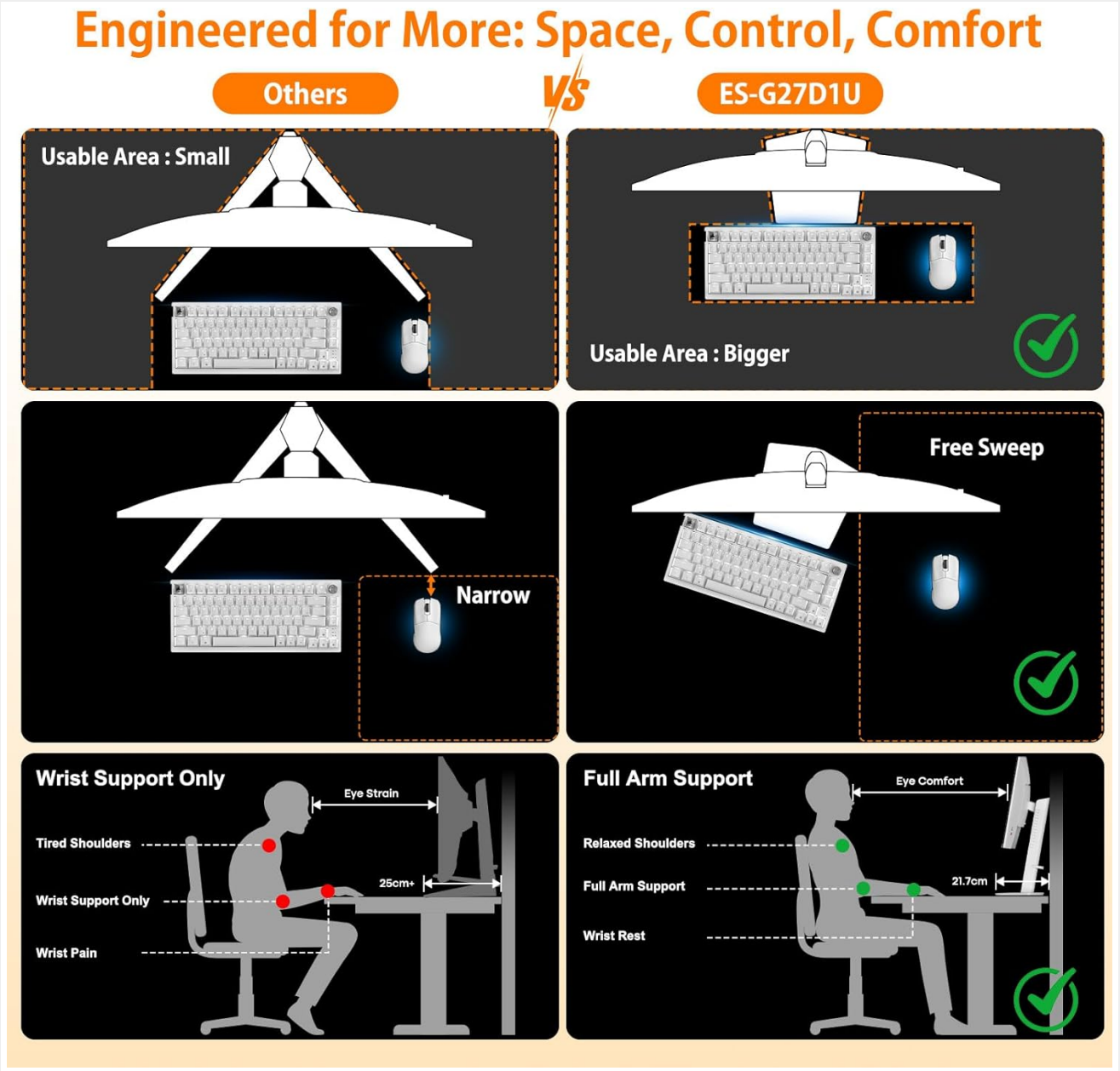

Image: Monitor stand assembly. The monitor is being attached to its ergonomic stand.

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Video: Monitor Mount Installation Guide. This video demonstrates the general process of installing a monitor stand. (Note: This video is a generic installation guide and may not feature the exact SANSUI ES-G27D1U model.)

3.2. Connecting Devices

Connect your PC, gaming console, or other devices to the monitor using the appropriate cables.

- **HDMI:** Use the provided HDMI cable for high-definition video and audio. The monitor has 2x HDMI 2.1 FRL ports.
- **DisplayPort:** Use the provided DisplayPort cable for optimal performance, especially for 4K@160Hz. The monitor has 2x DisplayPort 1.4 ports.
- **Audio Out:** Connect external speakers or headphones to the 3.5mm audio jack.
- **Power:** Connect the power cable to the monitor and a power outlet.

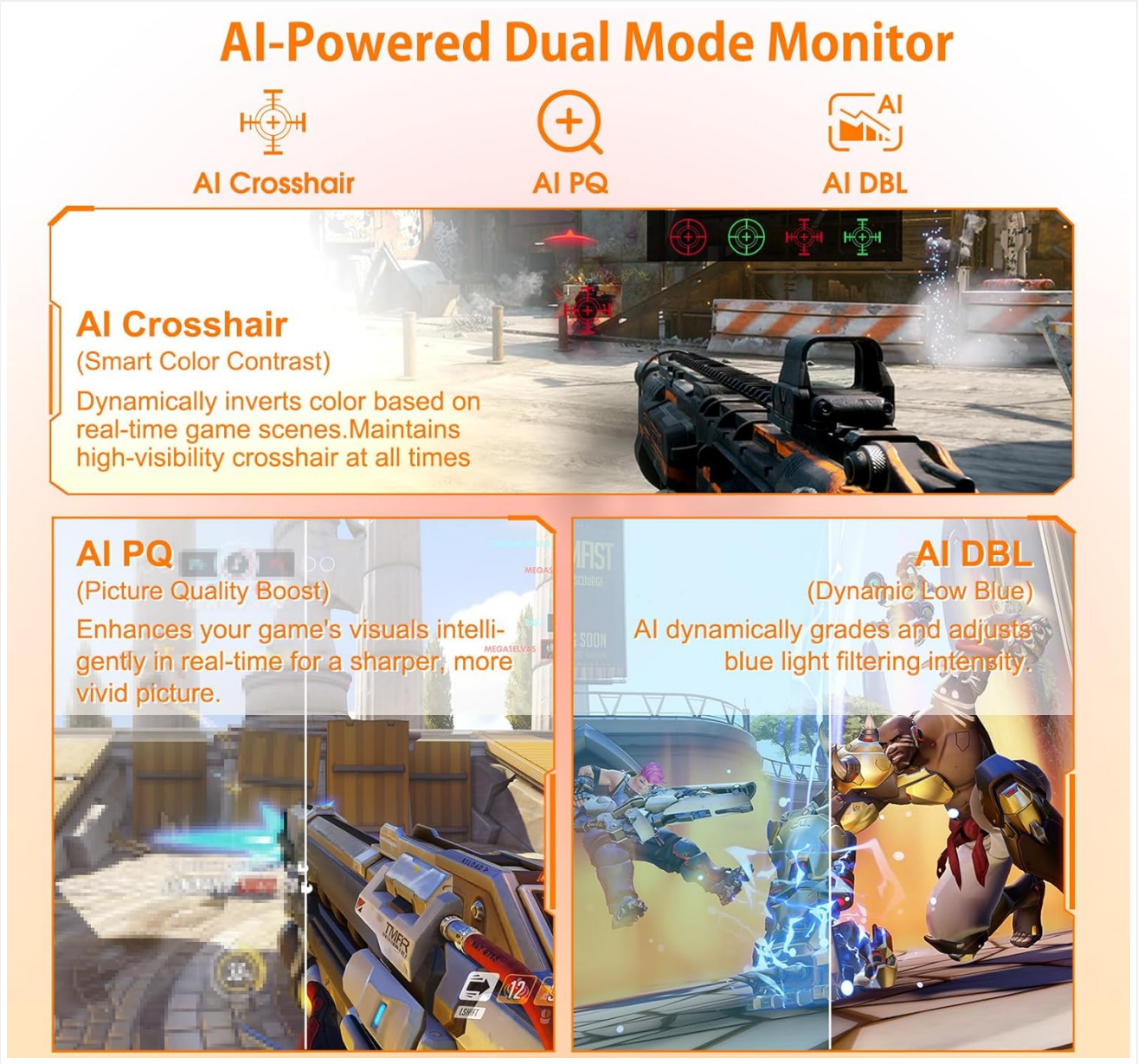

Image: Rear view of the monitor displaying the various input ports for connectivity.

4. Operating Instructions

4.1. On-Screen Display (OSD) Menu

The monitor features a 5-way joystick control located on the back for navigating the OSD menu. This allows you to adjust various settings including display modes, color, brightness, and gaming features.

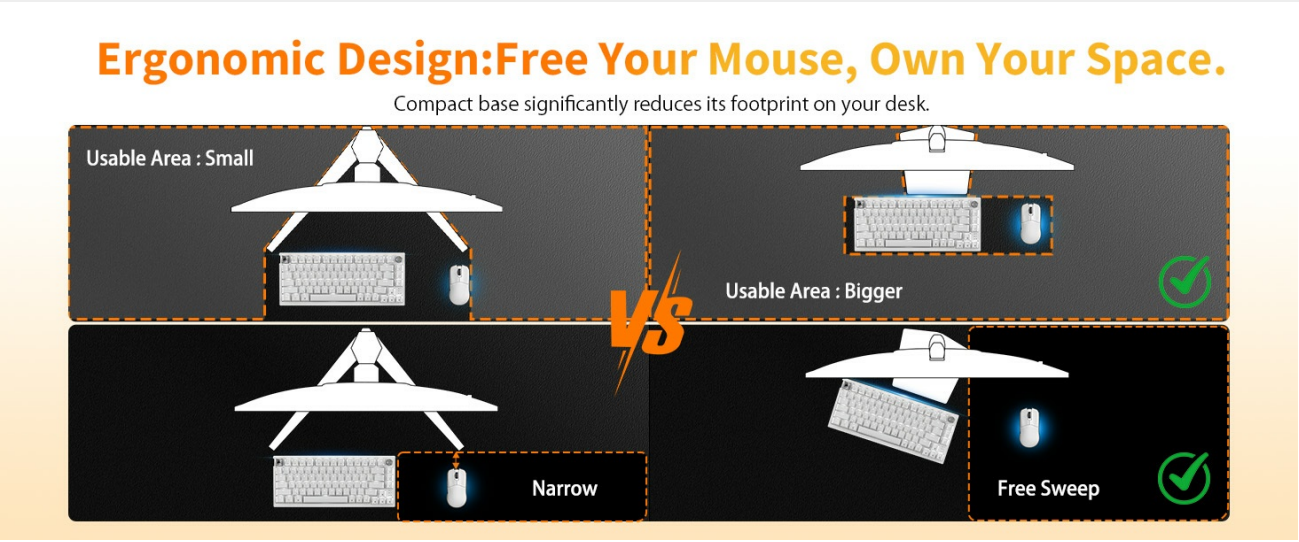

Image: Diagram illustrating the OSD joystick and dual mode switching button on the monitor's rear.

4.2. Dual Mode Switching (4K 160Hz / FHD 320Hz)

This monitor supports a unique dual-mode feature, allowing you to switch between 4K UHD (3840x2160) at 160Hz (via DP) or 144Hz (via HDMI) for high-resolution visuals, and FHD (1920x1080) at 320Hz for ultra-smooth, high-frame-rate gaming. A dedicated button on the monitor allows for quick switching between these modes.

Image: Overview of the monitor's dual-mode capabilities.

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Video: Amzfast 27" 4K 160Hz Dual Mode Gaming Monitor. This video demonstrates the dual-mode switching and various gaming features. (Note: This video is from a different brand but showcases similar dual-mode functionality.)

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Video: KTC 27 Inch Dual Mode 4K 160Hz & FHD 320Hz Monitor. This video highlights the dual-mode feature and other display capabilities. (Note: This video is from a different brand but showcases similar dual-mode functionality.)

4.3. Gaming Features (AI Built-in)

- **AI Crosshair:** Dynamically inverts crosshair color based on real-time game scenes for high visibility.
- **Sniper Scope:** Magnifies the central target area (1.5x/2x/4x) for precision aiming.
- **Night Vision:** Optimizes shadow details to expose enemies in dark areas.
- **AI PQ (Picture Quality Boost):** Enhances game visuals intelligently in real-time for sharper, more vivid pictures.

- **AI DBL (Dynamic Low Blue Light):** Dynamically grades and adjusts blue light filtering intensity for eye care.
- **Game Modes:** Pre-set modes like RACING, RTS, and FPS optimize display settings for specific game genres.
- **Timer:** Track in-game timers for cool-downs and events.

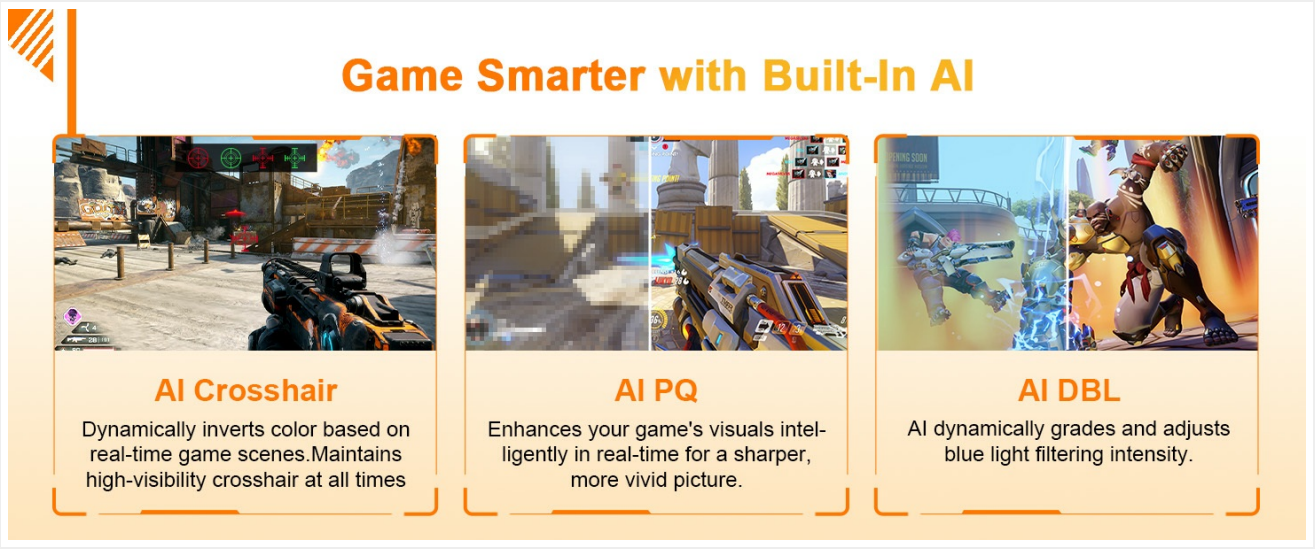

Image: AI Built-in features for gaming, including AI Crosshair, AI PQ, and AI DBL.

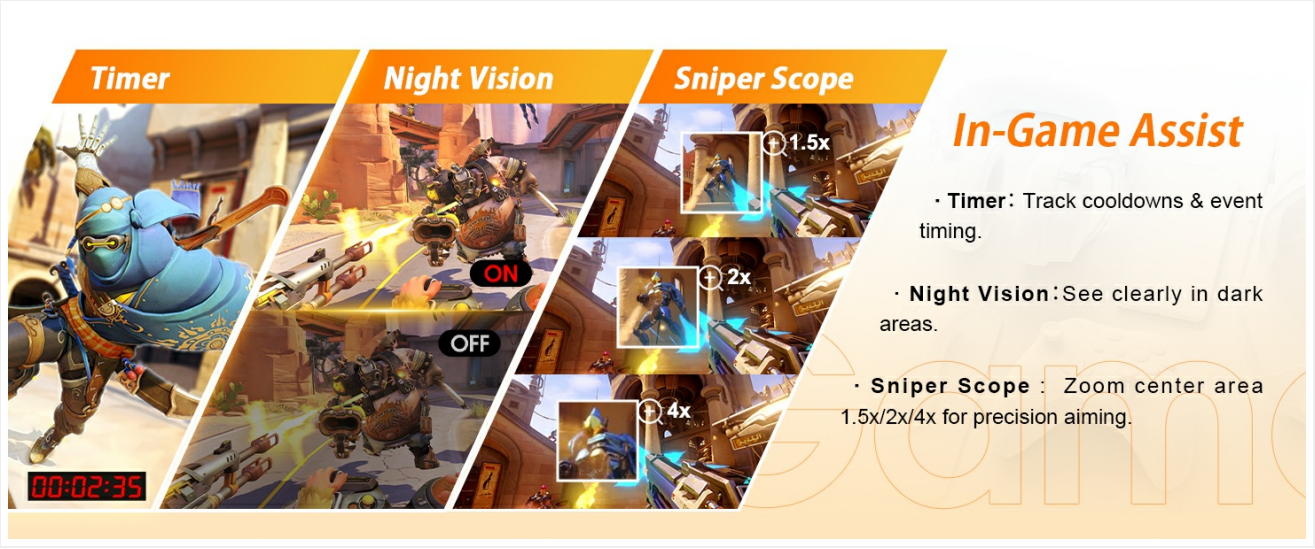

Image: Game Tools such as Night Vision, Sniper Scope, Timer, and Preset Modes.

4.4. Picture-in-Picture (PIP) and Picture-by-Picture (PBP)

The monitor supports PIP and PBP functions, allowing you to display content from multiple sources simultaneously. PIP displays a secondary input in a smaller window, while PBP divides the screen to show two inputs side-by-side.

Image: PIP and PBP modes for enhanced multitasking.

5. Key Features

5.1. Display Technology

- **Panel Type:** Fast IPS for rapid response times and wide viewing angles (178° V/H).
- **Resolution:** 4K DCI 2160p (3840 x 2160 pixels) for stunning clarity.
- **Refresh Rate:** Up to 160Hz in 4K UHD mode and 320Hz in FHD mode.
- **Response Time:** 1ms (MPRT) for blur-free motion.
- **Brightness:** 400 Nits, supporting HDR400 for enhanced contrast and detail.
- **Color Gamut:** DCI-P3 93% and sRGB 126% for true-to-life color reproduction.
- **Adaptive Sync:** FreeSync Premium for tear-free gameplay.

Image: Detailed display specifications including resolution, refresh rates, and color accuracy.

5.2. Ergonomic Design

The monitor stand offers extensive adjustability for optimal viewing comfort:

- **Pivot:** -90° to +90°
- **Swivel:** L25° to R25°
- **Height Adjustment:** 0 to 130mm

- **Tilt:** -5° to 20° (+/-2°)
- **VESA Compatible:** 100x100mm for alternative mounting solutions.

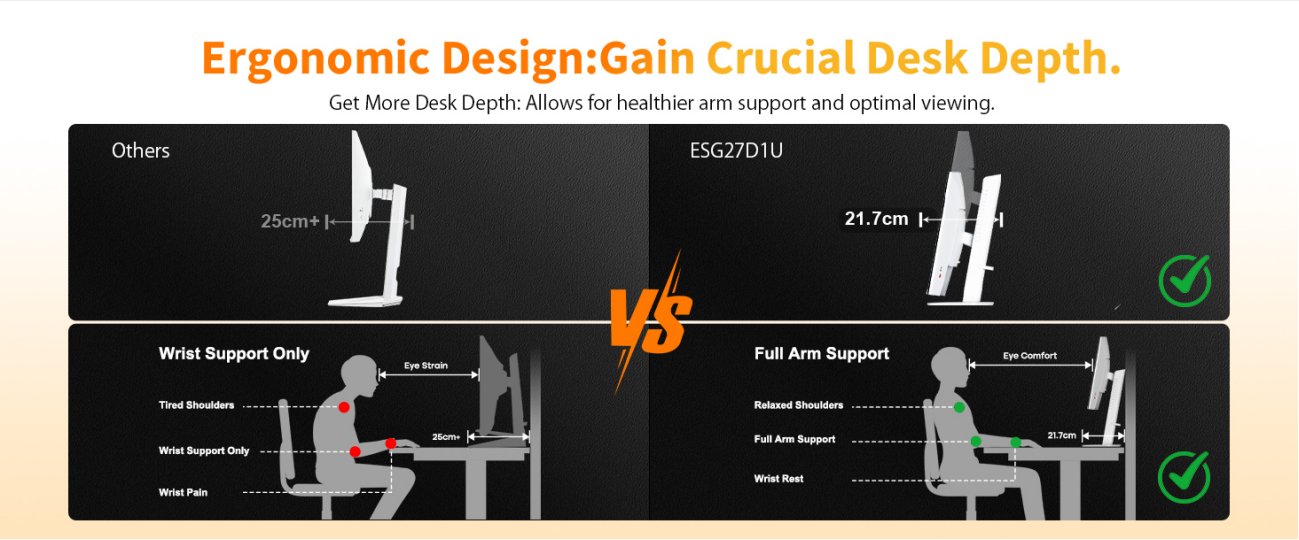

Image: Ergonomic stand features for customizable viewing angles.

6. Maintenance

- **Cleaning the Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth.
- **Ventilation:** Ensure the monitor's ventilation openings are clear and not obstructed to prevent overheating.
- **Power Off:** Always power off the monitor and unplug it from the power outlet before cleaning or if it will be unused for an extended period.

7. Troubleshooting

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected, video cable loose/disconnected, incorrect input source.	Check power and video cable connections. Select correct input source via OSD menu.
Image is blurry or distorted	Incorrect resolution, video cable issue.	Set display resolution to native 3840x2160 or 1920x1080. Try a different video cable.
No sound from built-in speakers	Volume too low, audio output not selected, external speakers/headphones connected.	Increase monitor volume. Ensure monitor is selected as audio output on your device. Disconnect external audio devices if using built-in speakers.
Screen flickering	Refresh rate mismatch, faulty cable, graphics card issue.	Ensure refresh rate is set correctly (e.g., 160Hz or 320Hz). Try a different video cable. Update graphics drivers.

If problems persist after trying these solutions, please contact SANSUI customer support.

8. Specifications

Feature	Detail
Brand	SANSUI
Model Number	ES-G27D1U
Screen Size	27 Inches
Resolution	4K DCI 2160p (3840 x 2160 Pixels)
Refresh Rate	160 Hz (4K), 320 Hz (FHD)
Response Time	1 Milliseconds (MPRT)
Display Type	LCD, Fast IPS
Brightness	400 Nits
Contrast Ratio	1000:1
Viewing Angle	178 Degrees
Color Gamut	DCI-P3 93%, sRGB 126%
HDR Support	HDR400
Adaptive Sync	FreeSync Premium
Connectivity	2x HDMI 2.1 FRL, 2x DisplayPort 1.4, 3.5mm Audio Jack
Built-In Speakers	Yes
Ergonomic Stand	Pivot, Swivel, Height Adjustment, Tilt
VESA Compatibility	100x100mm
Item Dimensions (DxWxH)	8.5"D x 24.13"W x 20.59"H
Item Weight	11.16 Pounds
Power Consumption	60 Watts
Voltage	240 Volts

9. Warranty and Support

SANSUI offers a 30-day money-back and free replacement warranty from the order date. Lifetime technical support is also provided for your SANSUI 27" 4K Gaming Monitor.
For technical assistance or warranty claims, please refer to the contact information provided on your Warranty Card or visit the official SANSUI website.

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