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> HTNZIR 15.6 Inch PC Monitor FHD IPS Display 1920 x 1080P LED Screen Desktop Monitor with HDMI/VGA/BNC/AV/USB/AV Port,Built-in Speakers, for CCTV Raspberry Pi PC 15.6 Crescent bracket User Manual

HTNZIR HTNZIR

HTNZIR 15.6 Inch PC Monitor User Manual

Model: HTNZIR

1. PRODUCT OVERVIEW

The HTNZIR 15.6 inch PC Monitor is a versatile display solution designed for various applications, including use with PCs, Raspberry Pi, CCTV systems, and gaming consoles. It features a Full HD (1920x1080P) IPS display, offering wide viewing angles and clear visuals. The monitor includes multiple input ports and built-in speakers for a comprehensive user experience.



Image: HTNZIR 15.6 inch PC Monitor. This image displays the front view of the monitor, highlighting its 15.6-inch screen size, Full HD 1080P resolution, IPS technology for ultra-wide viewing angles, and a 16:9 aspect ratio.

2. KEY FEATURES

- **15.6 Inch Full HD IPS Display:** Features a 1920x1080P resolution with a 16:9 aspect ratio, LED backlit panel, and 350cd/m² brightness. The 178° viewing angle ensures clear visibility from various positions.
- **Multiple Connectivity Options:** Equipped with HDMI, VGA, BNC, AV, and USB interfaces, allowing connection to a wide range of devices such as computers, game consoles, Raspberry Pi, and security cameras.
- **Two-way Installation:** Can be mounted on a desktop using the provided adjustable stand or wall-mounted using a VESA 75 mount (not included).
- **Built-in Dual Speakers:** Provides clear and realistic audio for an immersive experience without the need for external speakers.
- **Fast Response Time:** Offers a 5ms response time and 60Hz refresh rate for smooth motion and reduced screen tearing, suitable for dynamic content.
- **Remote Control:** Includes a remote control for convenient adjustment of monitor settings.

3. PHYSICAL DESCRIPTION AND DIMENSIONS

The monitor is designed with a compact form factor, making it suitable for various desktop setups or wall-mounted installations. Below are the approximate dimensions of the unit.

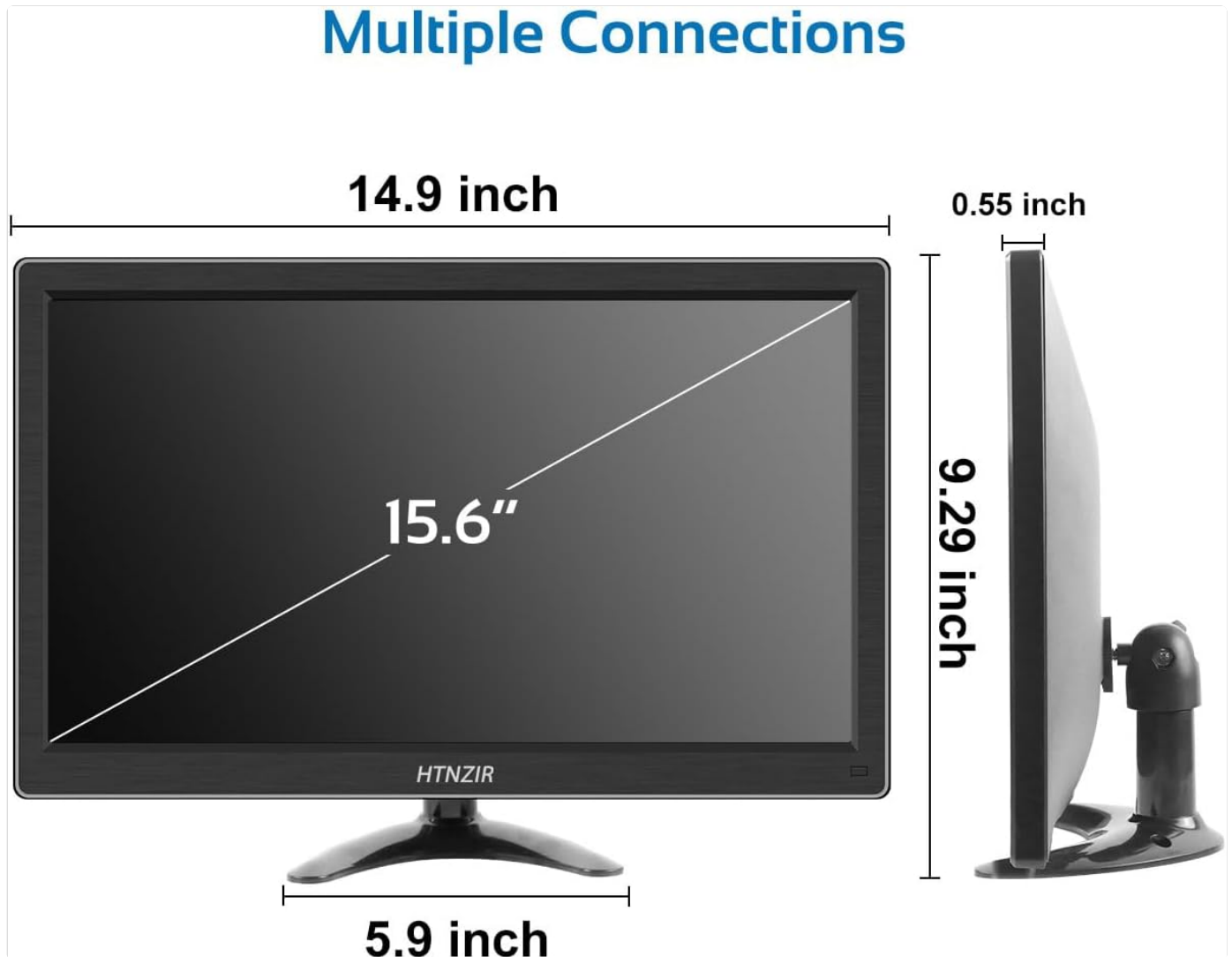


Image: Monitor Dimensions. This diagram illustrates the physical dimensions of the monitor, including a width of 14.9 inches, a height of 9.29 inches, a thickness of 0.55 inches, and a stand width of 5.9 inches.

Product Dimensions: 0.78 x 11.8 x 7.87 inches

Item Weight: 3.96 pounds

4. CONNECTIONS AND PORTS

The HTNZIR monitor offers a comprehensive array of input ports to ensure compatibility with a wide range of devices. Familiarize yourself with the port layout for proper connection.

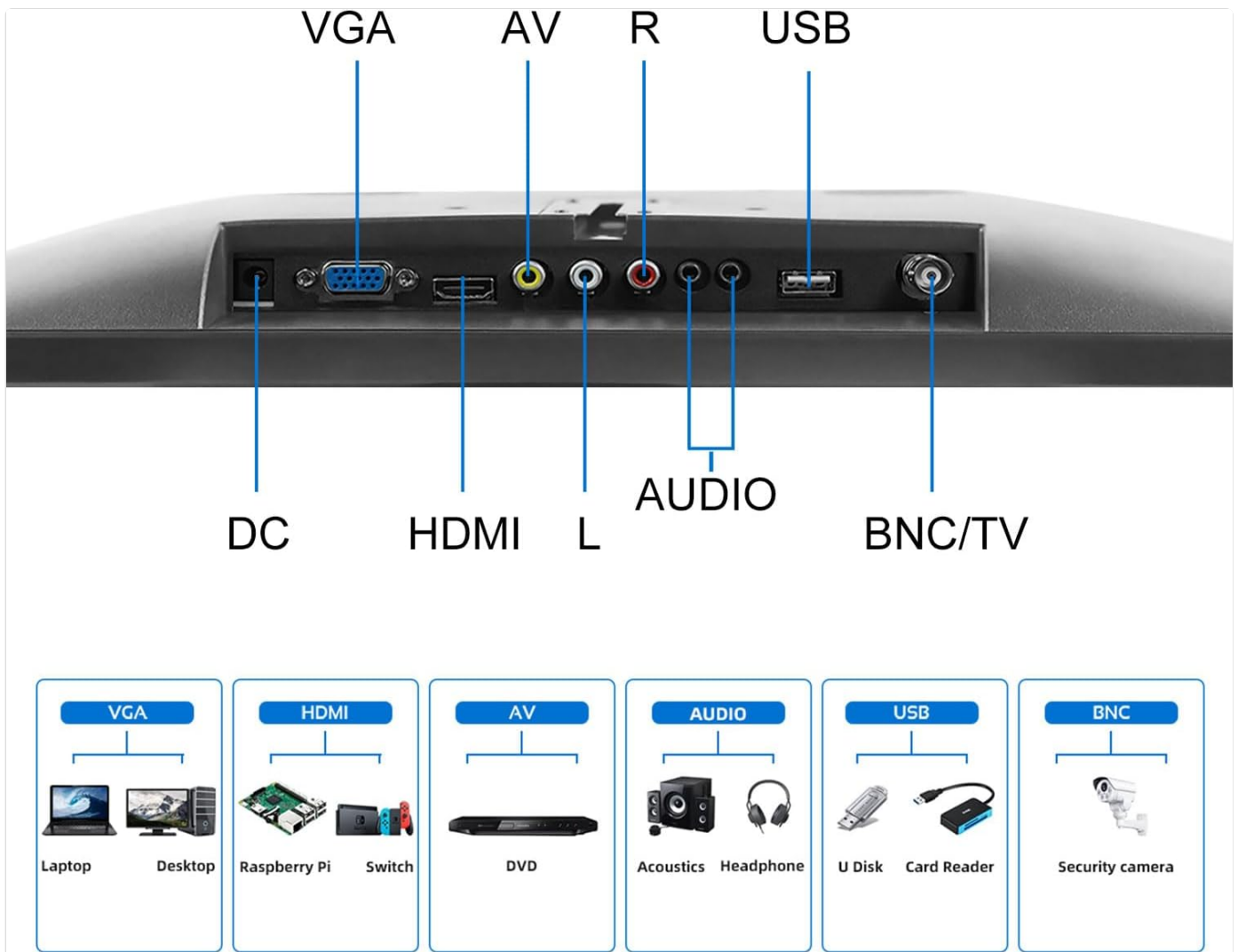


Image: Multiple Connections. This diagram labels the various input ports on the back of the monitor, including DC power input, VGA, HDMI, AV (Audio/Video), Audio (L/R), USB, and BNC/TV. It also shows examples of devices that can be connected to each port, such as laptops, desktops, Raspberry Pi, Switch, DVD players, acoustics, headphones, U disk, card readers, and security cameras.

- **DC Power Input:** For connecting the power adapter.
- **VGA Port:** For connecting to older computers or devices with VGA output.
- **HDMI Port:** For high-definition digital video and audio input from devices like PCs, game consoles, and Raspberry Pi.
- **AV Ports (RCA):** For analog video and audio input, commonly used with DVD players or older video equipment.
- **Audio Output:** For connecting external headphones or speakers.
- **USB Port:** For connecting USB devices such as U disks or card readers.
- **BNC/TV Port:** Primarily for connecting to CCTV security cameras or analog TV signals.

5. INSTALLATION

The HTNZIR monitor offers flexible installation options to suit your needs.

5.1 Desktop Installation

The monitor comes with an adjustable stand for easy desktop placement. Simply attach the stand to the monitor and place it on a flat, stable surface.

5.2 Wall Mounting

For a more permanent setup, the monitor supports VESA 75mm x 75mm wall mounts (not included). Ensure you use a compatible VESA mount and follow its installation instructions carefully. Secure the monitor to the wall mount using appropriate screws.

15.6 Inch Full HD PC Monitor



HDMI **VGA** **FULL HD 1080P** **178°** **16:9**

1080P Full HD **178° Wide viewing angle** **16:9 Aspect Ratio**

178°
wide viewing angle

Image: Two Way Installation. This image illustrates the two primary installation methods: using the provided adjustable stand for desktop placement and mounting on a wall using a VESA 100 mount (not included).

6. OPERATION

After connecting the monitor to a power source and your desired input device, power on the monitor. Use the buttons on the monitor's frame or the included remote control to navigate the On-Screen Display (OSD) menu. From the OSD, you can adjust settings such as brightness, contrast, color temperature, input source, and audio volume.

6.1 Built-in Speakers

The monitor features integrated dual speakers. Audio will automatically play through these speakers when an audio signal is received via HDMI or AV inputs. Volume can be adjusted via the OSD menu or remote control.

Essential Connections



Image: Built-in Speaker. This image highlights the location of one of the built-in speaker grilles on the rear of the monitor, indicating its integrated audio capability.

6.2 Wide Viewing Angle

The IPS panel technology provides a 178° wide viewing angle, ensuring consistent image quality and color accuracy even when viewed from off-center positions.

Built-In Speaker

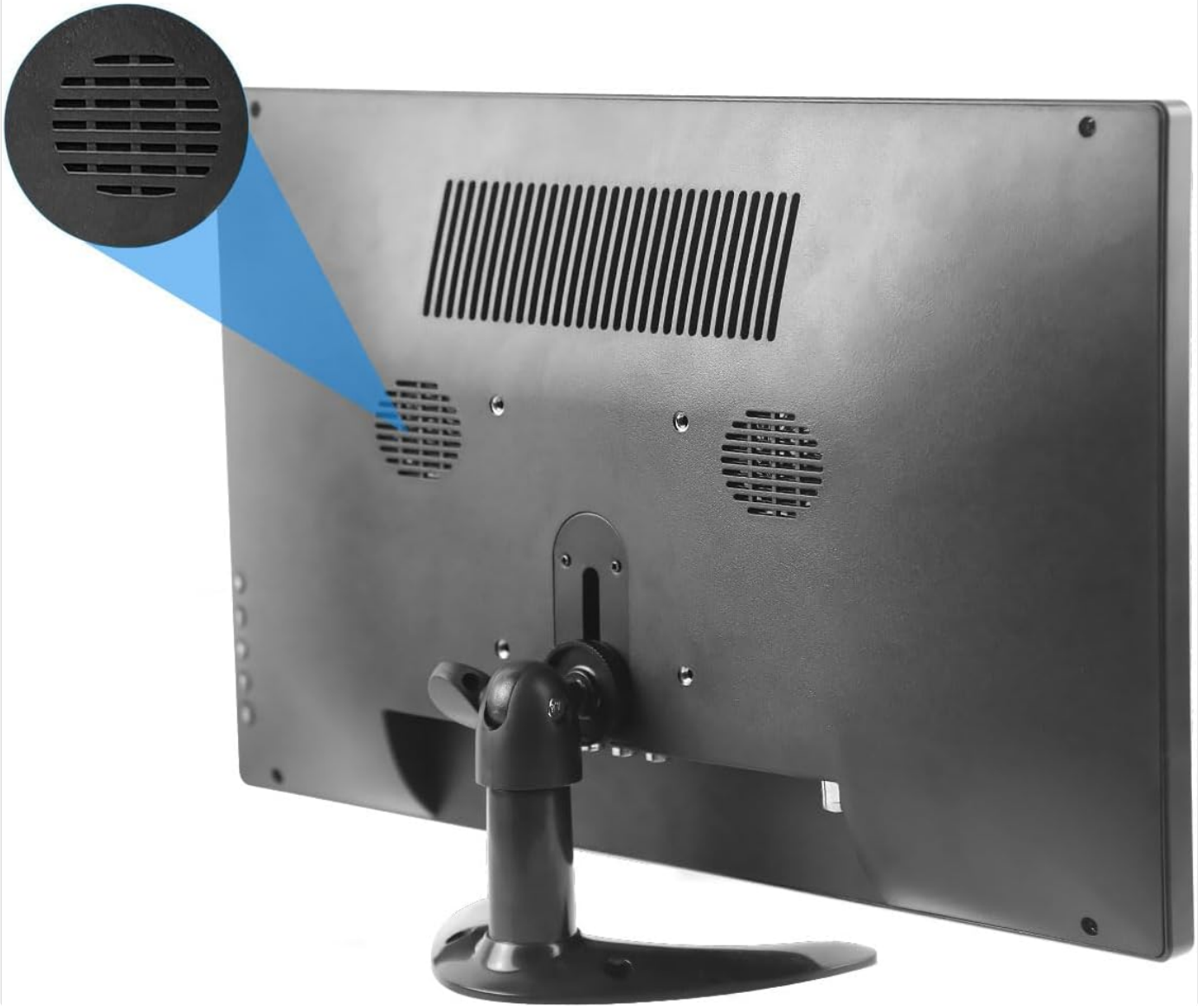


Image: 178° Wide Viewing Angle. This graphic demonstrates the monitor's 178-degree wide viewing angle, indicating that the display can be clearly seen from various perspectives.

7. APPLICATION SCENARIOS

The HTNZIR 15.6 inch PC Monitor is designed for diverse applications, offering flexibility in its use.

Application scenario



Connect with DVD or TV Box



With HDMI input FOR meeting use



As second display For computer PC



Use as monitoring

Image: Application Scenario. This composite image shows four common uses for the monitor: connecting with a DVD or TV Box in a living room setting, using it with an HDMI input for meeting presentations, serving as a second display for a computer PC, and functioning as a monitoring screen.

- **Home Entertainment:** Connect to DVD players, TV boxes, or gaming consoles (Xbox, PS4, Switch) for media consumption.
- **Productivity:** Use as a secondary display for laptops or desktop PCs to extend screen real estate.
- **Specialized Applications:** Ideal for Raspberry Pi projects, CCTV security monitoring, or as a display for recording studios.



Image: Suit For Raspberry Pi 3 4 5 Series. This image shows a person using the monitor connected to a Raspberry Pi, demonstrating its compatibility with single-board computers.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Screen Size	15.6 inches
Resolution	1920 x 1080 Pixels (FHD 1080p)
Aspect Ratio	16:9
Image Brightness	350cd/m ²
Screen Surface Description	Glossy
Item Model Number	HTNZIR
Manufacturer	Shenzhen Kenowa Electronics Co., LTD
Date First Available	May 4, 2023

9. CARE AND MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Avoid using harsh chemicals or abrasive materials.
- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth.

- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Always handle the monitor by its edges or stand. Avoid applying pressure directly to the screen.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked to prevent overheating.

10. TROUBLESHOOTING

- **No Power:**
 - Check if the power adapter is securely connected to the monitor and a working power outlet.
 - Ensure the power indicator light on the monitor is on.
- **No Signal:**
 - Verify that the video cable (HDMI, VGA, BNC, AV) is securely connected to both the monitor and the source device.
 - Ensure the correct input source is selected on the monitor using the OSD menu or remote control.
 - Check if the source device is powered on and outputting a signal.
- **Poor Picture Quality:**
 - Adjust brightness, contrast, and color settings via the OSD menu.
 - Ensure the display resolution on your source device matches the monitor's native resolution (1920x1080P).
 - Check for any damage to the video cable.
- **No Sound from Built-in Speakers:**
 - Increase the volume level using the monitor's OSD menu or remote control.
 - Ensure the audio source is properly connected and outputting sound.
 - If using HDMI, verify that the audio is being sent through the HDMI cable from the source device.

11. WARRANTY AND SUPPORT

Specific warranty details and customer support contact information are not provided in this manual. Please refer to the product packaging or the manufacturer's official website for the most up-to-date warranty terms and support channels.