

## HAMTYSAN HCIK101V.CC

# HAMTYSAN 10.1 Inch Touchscreen Monitor Instruction Manual

Model: HCIK101V.CC

## 1. PRODUCT OVERVIEW

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This manual provides detailed instructions for the HAMTYSAN 10.1 Inch Touchscreen Monitor. This IPS LCD screen features a 1024x600 resolution, 5-point capacitive touch, and wide compatibility with various devices including Raspberry Pi models, Jetson Nano, Windows PCs, and gaming consoles. It is designed for ease of use with plug-and-play functionality and driver-free operation.

## 2. WHAT'S IN THE BOX

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- 1 x Touchscreen monitor
- 1 x Micro USB Cable
- 1 x HDMI Cable
- 1 x Bracket
- 1 x Manual
- 6 sets of screws (for Raspberry Pi mounting)

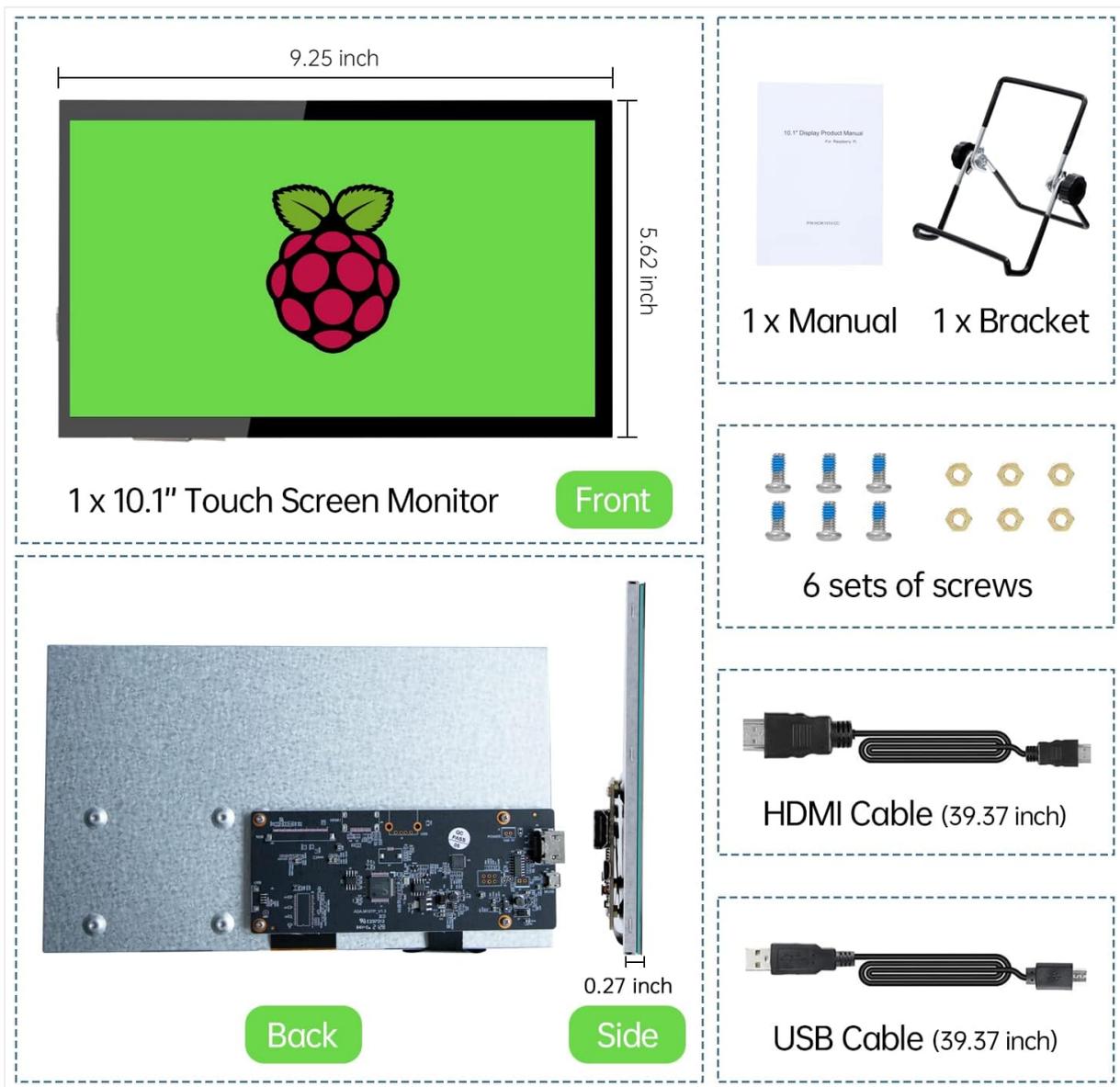


Image: Contents of the package including the monitor, cables, bracket, screws, and manual.

### 3. PRODUCT FEATURES

- **IPS Screen & Full Color Display:** 10.1 inch HD 1024x600 resolution with a 16:9 aspect ratio and 178° viewing angles. For optimal image and touch experience, remove the screen protector film.
- **Plug and Play & Easy to Use:** Equipped with Micro USB and HDMI ports. Connect the screen via HDMI for video and power it via USB for both power and touch functionality. No additional power cord or drivers are required for touch. The display is designed without a case, allowing for direct mounting of a Raspberry Pi on the back for DIY projects.
- **High Sensitivity Capacitive Touchscreen:** Supports 5-point touch with responsive, accurate, and smooth interaction. No manual calibration is needed. Functions include swiping, scrolling, selecting, zooming in/out, and cursor movement. Suitable for security DVR screens, car dash-mounted displays, industrial control process monitors, and computer temperature/speed monitoring.
- **3-in-1 Mode for Laptop:** Can be used as a secondary screen in Duplicate, Extend, and Second Screen modes. These modes offer flexibility for work and leisure. Access display settings on your laptop desktop or press "Windows + P" to select the desired mode.
- **Wide Compatibility:** Driver-free operation with Raspberry Pi 4/3/2/1 / 3B+ / BB, Banana Pi, Windows 7/8/10/11 PCs, Microsoft devices, and gaming consoles like Nintendo Switch / XBOX / PS4. Also supports Retro Pi, NOOBS, Debian, Ubuntu, and Kodi. Note: The monitor does not include a back cover.

## 4. SETUP INSTRUCTIONS

### 4.1 Connecting to Raspberry Pi

1. Connect the HDMI cable from your Raspberry Pi to the monitor's HDMI input.
2. Connect the Micro USB cable from your Raspberry Pi's USB port to the monitor's Micro USB port for power and touch functionality.
3. Ensure your Raspberry Pi is powered on. The monitor should automatically display the output and enable touch.

## Connection Example Diagram

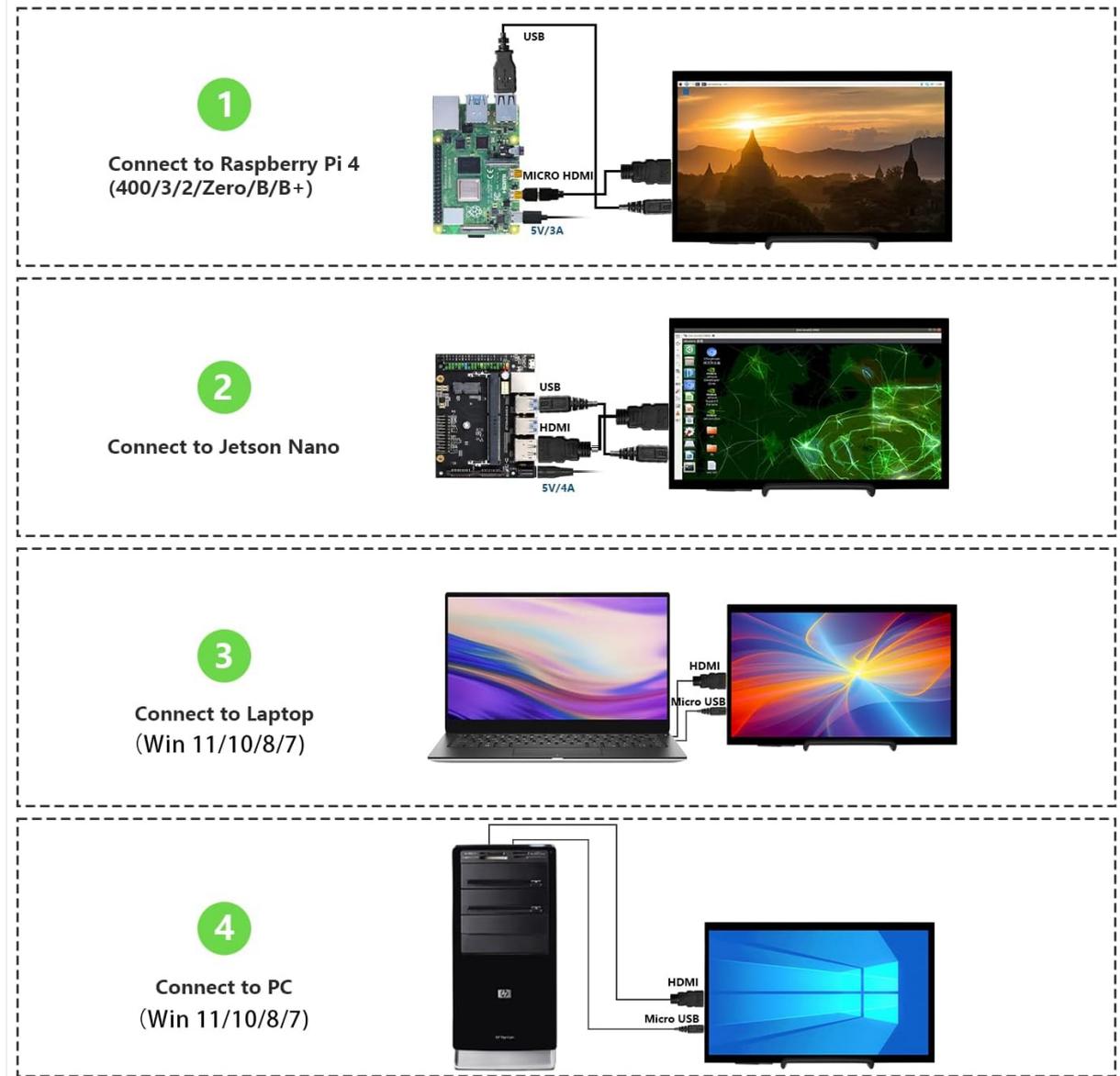


Image: Diagram showing how to connect the monitor to various devices, including Raspberry Pi, Jetson Nano, laptops, and desktop PCs.

### 4.2 Connecting to Laptop/PC

1. Connect the HDMI cable from your laptop/PC to the monitor's HDMI input.
2. Connect the Micro USB cable from your laptop/PC's USB port to the monitor's Micro USB port for power and touch functionality.
3. Your laptop/PC should detect the monitor as an external display. Adjust display settings (e.g., Duplicate, Extend, Second Screen Only) as needed.

# Plug & Play for Laptop



Image: A laptop connected to the HAMTYSAN monitor, illustrating Duplicate Mode, Extend Mode, and Second Screen Mode.

## 4.3 Using the Stand

The included bracket can be used to prop up the monitor for comfortable viewing. Simply place the monitor into the grooves of the bracket.

# 10.1" IPS Touch Screen



Image: The HAMTYSAN 10.1 Inch IPS Touch Screen Monitor displayed on its stand, highlighting its touch capabilities and connectivity.

## 5. OPERATING INSTRUCTIONS

### 5.1 Touchscreen Functionality

The monitor features a 5-point capacitive touchscreen. Once connected via USB, the touch function is active without additional drivers. Use gestures such as tapping, pressing, zooming in/out, and scrolling directly on the screen.

Note: No cover on the back



Image: A hand demonstrating 5-point capacitive touchscreen interaction on the monitor.

## 5.2 Display Modes (for Laptop/PC)

When connected to a laptop or PC, you can choose from several display modes:

- **Duplicate Mode:** Shows the same content on both your primary screen and the HAMTYSAN monitor.
- **Extend Mode:** Extends your desktop across both screens, allowing for more workspace.
- **Second Screen Only Mode:** Displays content only on the HAMTYSAN monitor, turning off your primary screen.

To switch modes, right-click on your desktop, select "Display settings," and choose your preferred option under "Multiple displays." Alternatively, press the "Windows + P" keys to quickly access the display mode selection.

## 6. COMPATIBILITY

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The HAMTYSAN 10.1 Inch Touchscreen Monitor offers broad compatibility:

- **Single Board Computers:** Raspberry Pi 4/3/2/1 / 3B+ / BB, Jetson Nano.
- **Operating Systems:** Windows 7/8/10/11, Retro Pi, NOOBS, Debian, Ubuntu, Kodi.
- **Gaming Consoles:** Nintendo Switch, XBOX, PS4.
- **Other Devices:** Can be used as a secondary screen for cameras, mobile ads display, control 3D printer monitors, security DVR screens, and car dash-mounted systems.

# Wide Compatibility

Works Perfectly for Raspberry Pi 4,3,2,1 Model B B+,  
Video game console like Switch/ XBOX/ PS4



Image: The HAMTYSAN monitor connected to a gaming console, illustrating its wide compatibility with Raspberry Pi, laptops, desktops, Nintendo Switch, XBOX, and PS4.



Image: Various applications of the monitor, including use as a camera secondary screen, mobile ad display, 3D printer control, security DVR screen, RetroPie game console, and car dash-mounted display.

## 7. SPECIFICATIONS

<b>Product Dimensions</b>	6.5 x 4.09 x 0.79 inches
<b>Item Weight</b>	1.69 pounds
<b>Manufacturer</b>	HAMTYSAN
<b>Item Model Number</b>	HCIK101V.CC
<b>Standing Screen Display Size</b>	10.1 Inches
<b>Aspect Ratio</b>	16:9
<b>Voltage</b>	5 Volts
<b>Resolution</b>	1024 x 600 Pixels
<b>Image Brightness</b>	250 milliCandela
<b>Total USB Ports</b>	1
<b>Screen Surface Description</b>	Glossy

## 8. TROUBLESHOOTING

- **No Display:** Ensure both HDMI and Micro USB cables are securely connected. Verify the power source for the device connected to the monitor.
- **Touchscreen Not Responding (Windows):** Connect the USB cable directly to your PC. Go to Control Panel and search for "Tablet Settings." If the option appears, perform a calibration. If not, try a different USB cable.
- **Flickering Screen:** Ensure the power supply is sufficient (5V, 3A recommended for Raspberry Pi). Insufficient power can cause screen flickering.
- **No Audio:** The monitor does not have built-in speakers. Audio will be output through the connected device's audio output or external speakers connected to the source device.
- **Raspberry Pi Mounting:** The back of the monitor has four holes for installing a Raspberry Pi. Note that Raspberry Pi and its case are not included. Non-conductive washers may be required to prevent shorting the board if mounting directly.

## 9. MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth to clean the screen. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protection:** The monitor does not come with a back cover. Consider purchasing a separate case to protect the exposed circuitry, especially if used in a portable or DIY setup.

## 10. OFFICIAL PRODUCT VIDEOS

### HAMTYSAN 10.1 Inch Touchscreen Monitor for Raspberry Pi

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Video: An official product video from HAMTYSAN STORE showcasing the 10.1 Inch Touchscreen Monitor for Raspberry Pi, demonstrating its features and connectivity.