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› HAMTYSAN 7 Inch 800x480 IPS HDMI Monitor Instruction Manual (Model HCTG070V.P01)

HAMTYSAN HCTG070V.P01

HAMTYSAN 7 Inch 800x480 IPS HDMI Monitor Instruction Manual

Model: HCTG070V.P01

1. INTRODUCTION

Thank you for choosing the HAMTYSAN 7 Inch 800x480 IPS HDMI Monitor. This compact and versatile display is designed to enhance your computing experience, offering a clear visual interface for a wide range of devices including Raspberry Pi, PCs, laptops, and various game consoles. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new monitor.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x 7 Inch Screen Monitor (Non-touch)
- 1 x HDMI Cable
- 1 x Micro USB Cable
- 1 x Bracket
- 1 x Manual

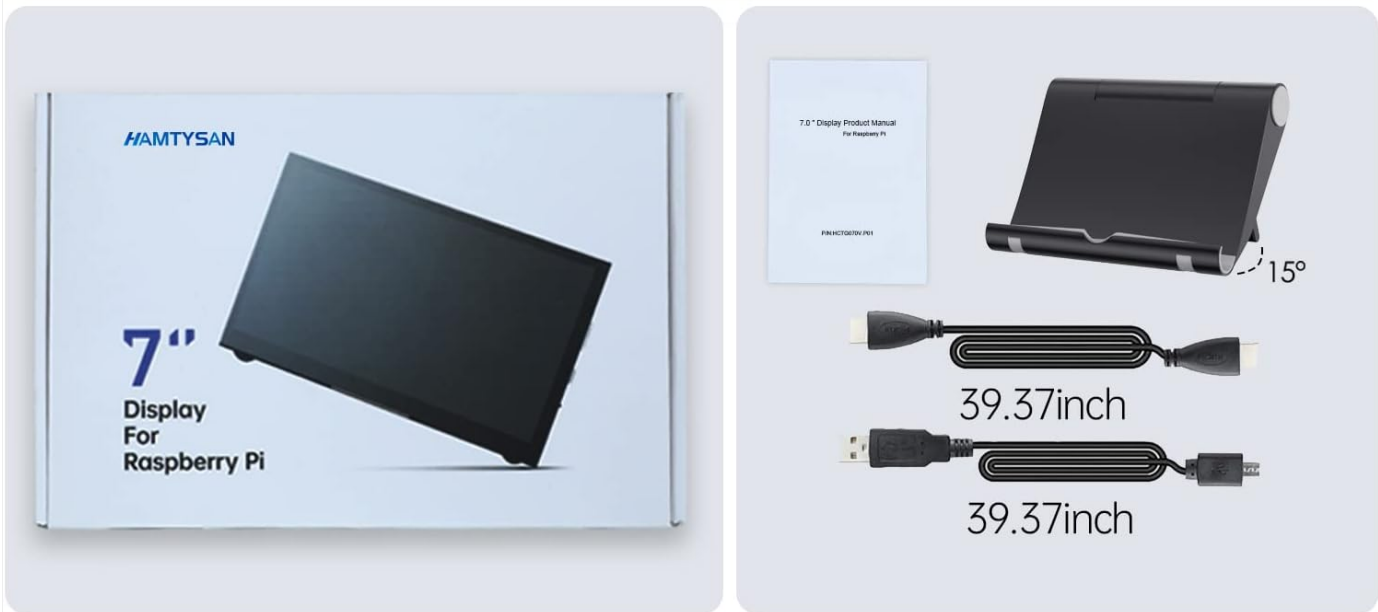
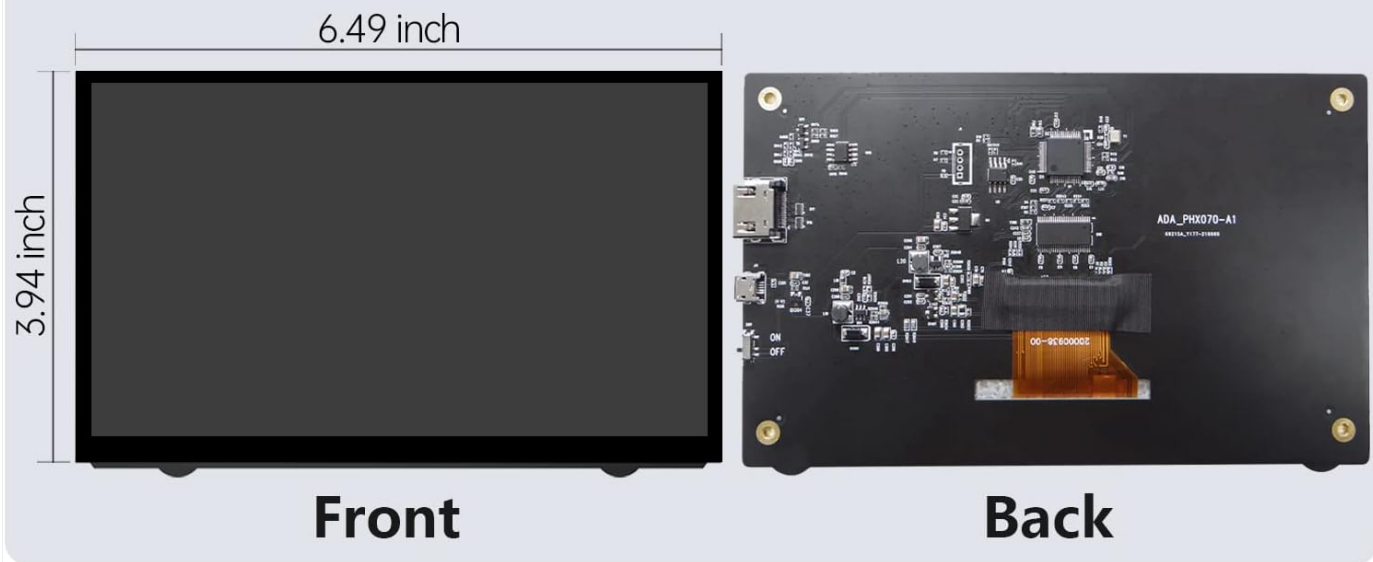


Image: Retail packaging for the HAMTYSAN 7 Inch Display for Raspberry Pi.

Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2013 DER KOMMISSION zur
Energieverbrauchskennzeichnung von elektronischen Displays

	Parameter	Parameter oder Wert und Genauigkeit	Einheit
1.	Name oder Warenzeichen des Lieferanten	Mexillex	
	Anschrift des Lieferanten	MIHA1, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 București Sectorul 2, Romania	
2.	Modellkennung	HCTG070V.P01	
3.	Energieeffizienzklasse bei Standard-Dynamikumfang (SDR)	A	
4.	Leistungsaufnahme im Ein-Zustand bei SDR	7,5	W
5.	Energieeffizienzklasse bei hohem Dynamikumfang (HDR)	Nicht zutreffend	
6.	Leistungsaufnahme im Ein-Zustand bei hohem Dynamikumfang (HDR), falls vorhanden	7,5	W
7.	Leistungsaufnahme im Aus-Zustand, falls zutreffend	0,2	W
8.	Leistungsaufnahme im Bereitschaftszustand, falls zutreffend	0,0	W
9.	Leistungsaufnahme im vernetzten Bereitschaftsbetrieb, falls zutreffend	0,0	W
10.	Art des elektronischen Displays	Monitor	
11.	Seitenverhältnis	16 : 9	
12.	Bildschirmauflösung	1 920 x 1 080	pixels
13.	Bildschirmdiagonale	26,0	cm
14.	Bildschirmdiagonale	15	Zoll
15.	Sichtbare Bildschirmfläche	7,6	dm²
16.	Verwendete Panel-Technologie	LED LCD	

17.	Automatische Helligkeitsregelung (ABC) vorhanden	Nein	
18.	Spracherkennungssensor vorhanden	Nein	
19.	Anwesenheitssensor vorhanden	Nein	
20.	Bildwiederholfrequenz (Standard)	60	Hz
21.	Mindestens garantierte Software- und Firmware-Aktualisierungen (ab dem Datum der Beendigung des Inverkehrbringens)	5	Jahre
22.	Mindestens garantierte Verfügbarkeit von Ersatzteilen (ab dem Datum der Beendigung des Inverkehrbringens)	5	Jahre
23.	Mindestens garantierte Produktunterstützung	5	Jahre
	Mindestlaufzeit der vom Lieferanten angebotenen allgemeinen Garantie	5	Jahre
24.	Art der Stromversorgung (Netzteil)	Intern	
25.	Externes Netzteil (nicht genormt, in der Verkaufsverpackung enthalten)		

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	<i>i</i>	-	
	<i>ii</i>	Eingangsspannung	- V
	<i>iii</i>	Ausgangsspannung	- V
26.	Genormtes externes Netzteil (oder geeignetes Netzteil, falls nicht in der Verkaufsverpackung enthalten)		
	<i>i</i>	-	
	<i>ii</i>	Benötigte Ausgangsspannung	- V
	<i>iii</i>	Benötigte (Mindest-)Stromstärke	- A
	<i>iv</i>	Benötigte Stromfrequenz	- Hz

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Image: All components included in the package: 7-inch monitor, HDMI cable, Micro USB cable, bracket, and manual.

3. PRODUCT FEATURES

- **7-inch IPS Display:** Features an 800x480 resolution IPS screen with a 3-5ms response time and 178° wide viewing angle for consistent colors.
- **Tempered Glass & Full Lamination:** Enhanced clarity, transparency, and dust prevention.
- **Plug-n-Play:** Simple HDMI and USB power connection, no drivers required.
- **Wide Compatibility:** Supports Raspberry Pi (400/4/3/2/1/3B+/BB), Jetson Nano, Octo Pi, Banana Pi, Retro Pi, game

consoles (NS/XBOX/PS4), CCTV, laptops, TV boxes, and various OS (Windows, Noobs, Debian, Ubuntu, Kodi).

- **HDR Mode:** Supports excellent mainstream transmission for enhanced visual performance.
- **Eye Protection:** Effectively reduces blue light radiation and flickering for comfortable long-term viewing.
- **Multiple Display Modes:** Supports Duplicate, Extend, and Second Screen Only modes for versatile use with laptops.
- **Unique Design:** Includes a multi-angle adjustable bracket with rubber grooves for stable support and edge protection. Features four mounting holes for DIY projects.



Image: Overview of the 7-inch screen monitor highlighting its key specifications and features.

178° Wide View Angle

800*480 Resolution

Tempered Glass

Full Lamination

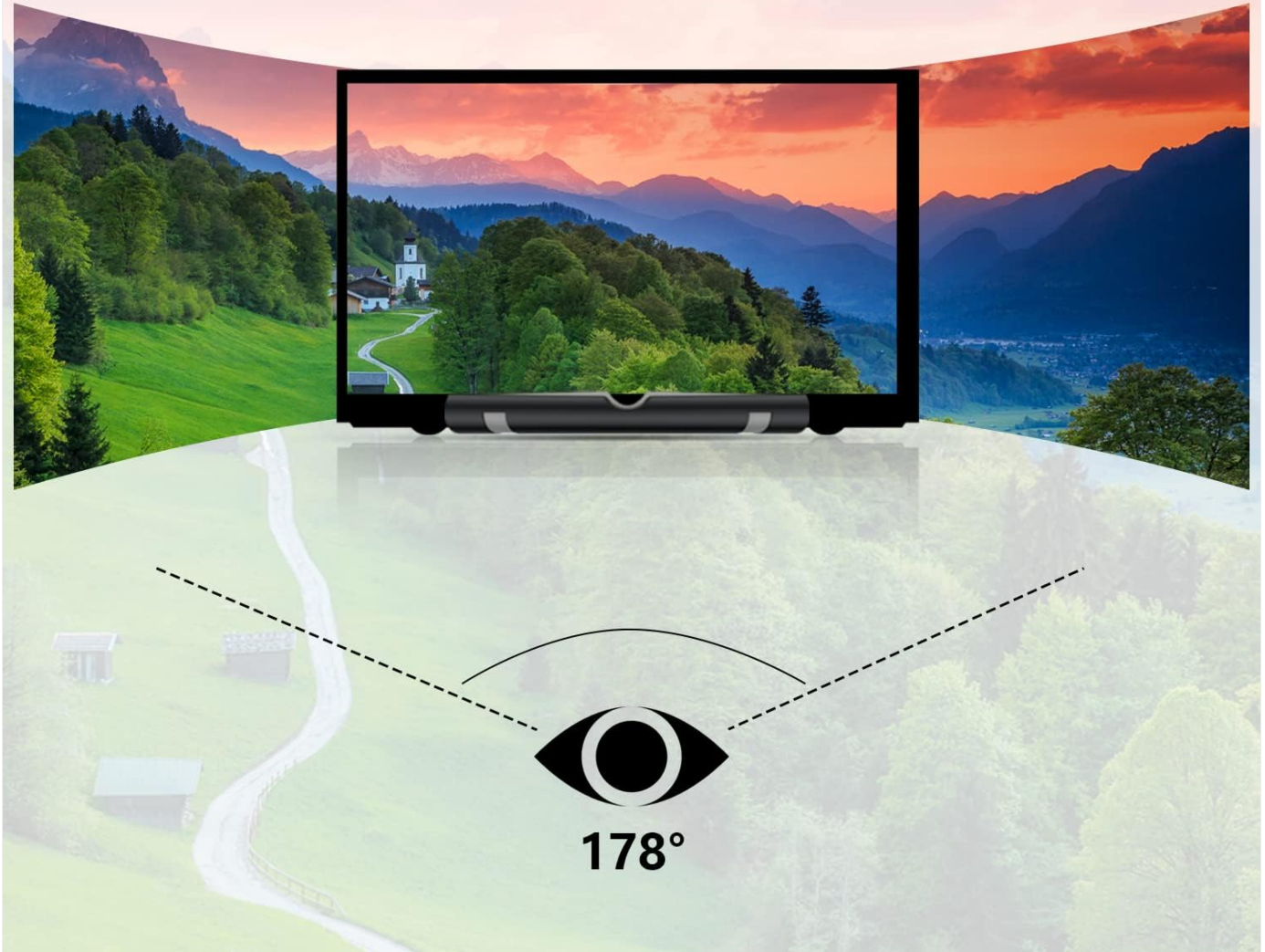


Image: Illustration of the 178° wide viewing angle, tempered glass, and full lamination technology for enhanced display quality.

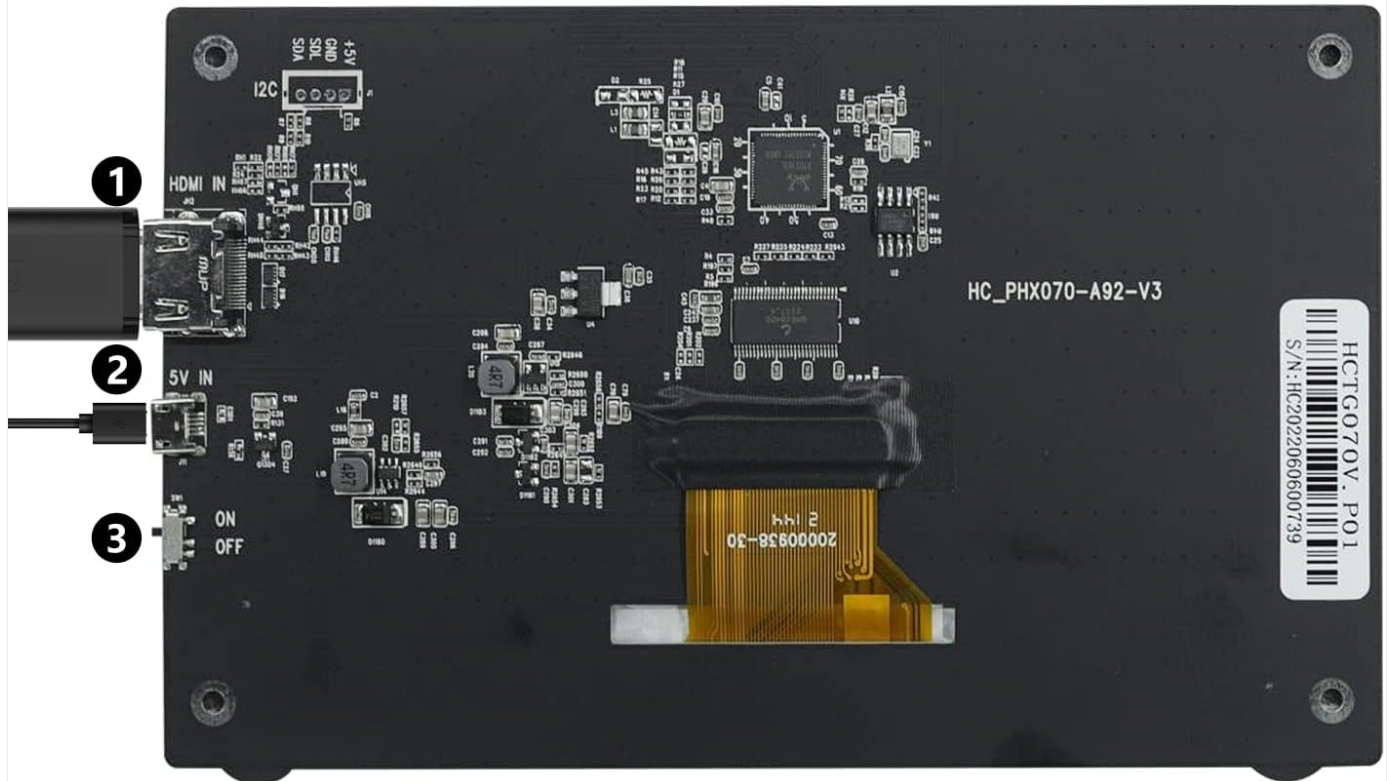
4. SETUP

4.1. Monitor Components and Ports

Familiarize yourself with the monitor's ports and controls:

- **HDMI Interface:** For video signal input.
- **Micro USB Interface:** For power supply (5V IN).
- **Backlight Switch:** To turn the backlight on or off.

Designed for Raspberry Pi lovers



- 1 HDMI interface for displaying
- 2 Micro USB interface for power supply
- 3 Backlight switch

Please Note:

- *No cover on the back of the monitor.
- *Please peel off the film on the display before use.

Image: Rear view of the monitor displaying the HDMI input, Micro USB power input, and backlight switch.

4.2. Connecting to Devices

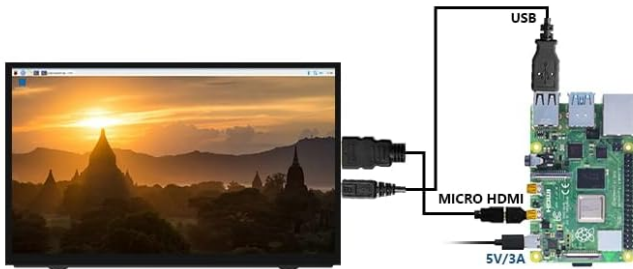
The monitor is designed for plug-and-play functionality. Follow these steps to connect it to your desired device:

1. **Connect the HDMI Cable:** Plug one end of the provided HDMI cable into the HDMI IN port on the monitor and the other end into the HDMI output port of your device (e.g., Raspberry Pi, laptop, PC, game console).
2. **Connect the Micro USB Power Cable:** Plug one end of the provided Micro USB cable into the 5V IN port on the monitor and the other end into a USB power source (e.g., your device's USB port, a USB wall adapter).
3. **Power On:** Ensure the backlight switch on the monitor is in the 'ON' position. The monitor should automatically detect the signal and display the content from your connected device.

How to connect?

1

Connect to Raspberry Pi 4
(400/3/2/Zero/B/B+)



2

Connect to Jetson Nano



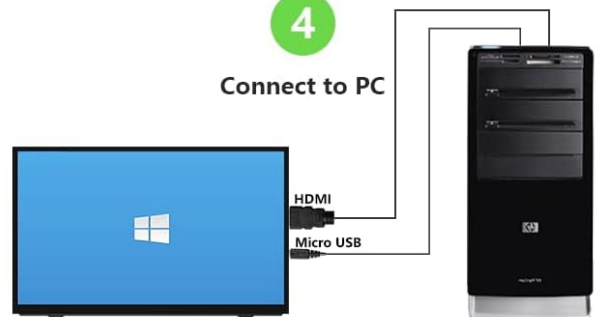
3

Connect to Laptop



4

Connect to PC



5

Connect to Fire TV Stick



6

Connect to Switch

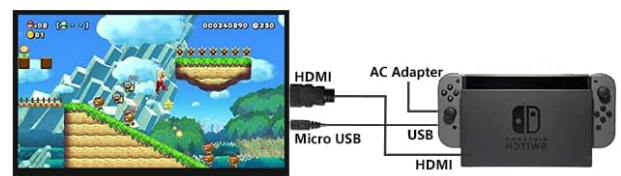


Image: Visual guide for connecting the monitor to different systems including Raspberry Pi, laptops, PCs, and game consoles.

Video: An official HAMTYSAN video demonstrating the connection of the 7-inch Raspberry Pi screen monitor to a Raspberry Pi, showing the display in action.

5. OPERATING INSTRUCTIONS

5.1. Display Modes (for Laptops/PCs)

When connected to a laptop or PC, you can configure the display mode:

- **Duplicate Mode:** The monitor displays the same content as your primary screen.
- **Extend Mode:** The monitor acts as an extension of your primary screen, allowing you to drag windows between displays.
- **Second Screen Only Mode:** Only the HAMTYSAN monitor displays content, with the primary screen turned off.

To change display modes on Windows, press the **Windows key + P** and select your desired option.

Plug & Play for Laptop



Image: Illustration of the three display modes (Duplicate, Extend, Second Screen Only) when connecting the monitor to a laptop.

5.2. Compatibility with Various Systems

The monitor is compatible with a wide array of operating systems and devices, ensuring broad usability for different projects and entertainment needs.



Image: Icons representing compatible operating systems such as Raspbian, Ubuntu, Kali, RetroPie, Windows, and Kodi.



Image: A visual representation of the monitor's compatibility with multiple devices like laptops, game consoles, and single-board computers.

6. MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the monitor with care to avoid dropping or impacting it, which could damage the screen or internal components.

7. TROUBLESHOOTING

7.1. No Signal Displayed

- Ensure both the HDMI cable and Micro USB power cable are securely connected to the monitor and the source device.
- Verify that the backlight switch on the monitor is in the 'ON' position.
- Check if your source device (e.g., Raspberry Pi, PC) is powered on and outputting a video signal.
- Try connecting the monitor to a different HDMI source or using a different HDMI cable to rule out cable or source issues.

7.2. Incorrect Resolution or Display Issues

- The monitor's native resolution is 800x480. Ensure your source device is configured to output at this resolution or a compatible one.
- On Windows, go to Display Settings to adjust the resolution and display orientation (landscape is recommended).
- If using a Raspberry Pi, you may need to edit the `config.txt` file to set the correct resolution and HDMI output settings. Refer to Raspberry Pi documentation for specific instructions.

7.3. Power Issues

- Ensure the Micro USB power source provides sufficient power (5V).

- Try using a different USB power adapter or USB port.

8. SPECIFICATIONS

Feature	Specification
Brand	HAMTYSAN
Model Number	HCTG070V.P01
Screen Size	7 Inches
Resolution	800x480
Aspect Ratio	1.66:1
Screen Surface Description	Glossy
Voltage	5 Volts
Total USB Ports	1 (Micro USB for power)
Item Weight	1.19 pounds
Date First Available	August 5, 2022

For more detailed product information, please refer to the EPREL database:<https://eprel.ec.europa.eu/qr/1550866>

9. WARRANTY AND SUPPORT

HAMTYSAN products are manufactured to high-quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided with your purchase documentation or visit the official HAMTYSAN website. Please retain your proof of purchase for any warranty claims.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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