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> Kuman SC7B 7-Inch Capacitive Touch Screen LCD Display HDMI Module User Manual

kuman SC7B

Kuman SC7B 7-Inch Capacitive Touch Screen LCD Display HDMI Module User Manual

Model: SC7B | Brand: Kuman

1. PRODUCT OVERVIEW

The Kuman SC7B is a 7-inch capacitive touch screen TFT LCD display module with 1024x600 resolution. It features an IPS screen for wider viewing angles and supports standard HDMI devices. The touch function is compatible with Windows and Raspberry Pi systems.



Figure 1: Kuman 7-inch touch screen displaying a Raspberry Pi desktop.

2. PACKING LIST

Please verify that all items are present in the package:

- 1 x 7-inch touch screen
- 1 x HDMI cable
- 1 x USB Type-A plug to Micro-B plug cable (for touch and power)
- 1 x Screws pack
- 1 x HDMI converter for RPI 4



Figure 2: Included components of the Kuman 7-inch touch screen kit.

3. SETUP INSTRUCTIONS

Follow these steps to connect and power your Kuman SC7B display:

1. **Connect HDMI Cable:** Connect one end of the provided HDMI cable to the HDMI port on the display module and the other end to your device (e.g., Raspberry Pi, PC).
2. **Connect USB Power/Touch Cable:** Connect the Micro-B end of the USB cable to the 'Touch' port on the display module and the Type-A end to a USB port on your device for both power and touch functionality. Ensure the cable is connected correctly as it is a plug-and-play monitor.
3. **Power On:** Power on your device. The display should automatically detect the signal and power on.



Figure 3: Detailed view of the display's connection ports.

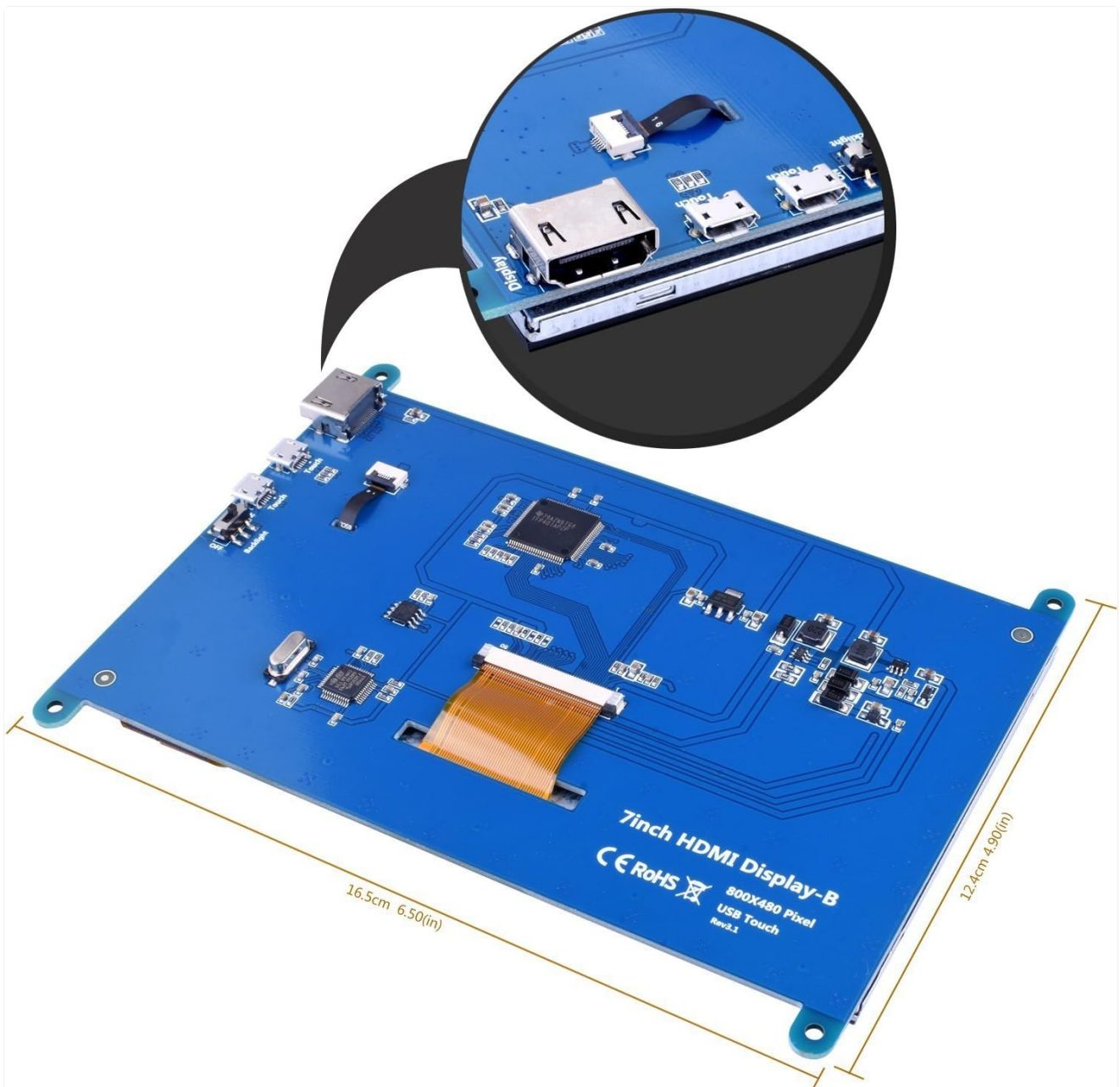


Figure 4: Back of the display module showing the circuit board and ports.

Setup Demonstration Videos:

Video 1: Demonstrates connecting the Kuman touch screen to a Raspberry Pi and using it as a second monitor for a PC. This video highlights the ease of setup and versatility across different systems.

Video 2: A short demonstration showing the screen working perfectly with a Windows system, including touch interaction. This preview video confirms basic functionality.

4. OPERATING INSTRUCTIONS

The Kuman SC7B display is designed for intuitive operation with various systems.

4.1. Raspberry Pi Systems

The touch function is fully supported on Raspberry Pi 4, 3, 2, 1 (Model A, B, A+, B+) running Raspbian, Ubuntu, and Windows 10 IoT. It offers single-touch functionality without requiring additional drivers.

Video 3: Shows the Kuman 7-inch screen displaying a Raspberry Pi desktop, demonstrating good image quality and system interaction.

Video 4: Illustrates the touch screen's good image quality and touch responsiveness when used with a Raspberry Pi.

Video 5: Demonstrates the touch function on the Kuman 7-inch screen, showcasing its responsiveness and ease of use with a Raspberry Pi.

4.2. Windows Systems

The display supports five-point touch functionality on Windows 10, 8.1, 8, and 7 systems. No additional drivers are required for touch operation.



Figure 5: User interacting with the touch screen.

4.3. Other Standard HDMI Devices

The display works with any device that has a standard HDMI interface, including BB Black, Banana Pi/Banana Pro, and systems running Ubuntu. However, the touch function is exclusively for Windows and Raspberry Pi systems.

Video 6: A quick look at the Kuman 7-inch HDMI touch screen, showcasing its features and general appearance.

Video 7: A customer review highlighting the product's performance, particularly its use with a Raspberry Pi for gaming.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Kuman SC7B display, follow these maintenance guidelines:

- **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 cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Handling:** Handle the display by its edges to avoid touching the screen surface unnecessarily.
- **Storage:** When not in use, store the display in a cool, dry place away from direct sunlight and extreme temperatures.
- **Protection:** Consider using a protective case or cover to prevent scratches and damage, especially during transport.

6. TROUBLESHOOTING

If you encounter issues with your Kuman SC7B display, refer to the following common troubleshooting tips:

- **No Signal:**
 - Ensure the HDMI cable is securely connected to both the display and your device.
 - Verify that your device is powered on and outputting a video signal.
 - Check if the display is receiving power via the USB cable.
- **Touch Function Not Working:**
 - Confirm that the USB Type-A to Micro-B cable is properly connected to the 'Touch' port on the display and a USB port on your device.
 - Ensure your operating system (Windows or Raspberry Pi) is supported for touch functionality.
 - For Raspberry Pi, ensure the correct drivers or configuration settings are applied if necessary (refer to the provided driver information or online resources).
- **Display Flickering or Distorted Image:**
 - Check the HDMI cable for any damage or loose connections.
 - Ensure the display is receiving stable power.
 - Try adjusting the display settings on your connected device to match the recommended resolution (1024x600).

7. SPECIFICATIONS

Feature	Specification
Brand	kuman
Model Number	SC7B
Screen Size	7 Inches
Display Type	LCD
Native Resolution	1024 x 600
Maximum Display Resolution	1024x600
Aspect Ratio	1.71:1
Human-Interface Input	Touchscreen
Connectivity Technology	HDMI, USB
Compatible Devices	Raspberry Pi, Banana Pi, Lubuntu, Windows
Item Dimensions	8.4 x 5.9 x 2.1 inches

Feature	Specification
Item Weight	370 Grams

8. WARRANTY AND SUPPORT

The Kuman SC7B display module comes with a **1-year warranty** from the manufacturer.

For additional support, including drivers and source code, please refer to the information provided with your product or visit the official Kuman store on Amazon: [Kuman Store](#).