

[Manuals.plus](#) /

› [UeeKKoo](#) /

› UeeKKoo 200mm CSI to 15-pin Flexible Cable User Manual

## UeeKKoo Pi5

# UeeKKoo 200mm CSI to 15-pin Flexible Cable User Manual

Model: Pi5

## 1. PRODUCT OVERVIEW

This UeeKKoo flexible cable is designed for connecting CSI (Camera Serial Interface) camera modules to compatible single-board computers. It features a 22-pin to 15-pin configuration and a length of 200mm, making it suitable for various integration projects. Key features include:

- **Compatibility:** Specifically designed for Raspberry Pi 5 and Compute Module 4 (CM4).
- **Connector Type:** 22-pin to 15-pin CSI interface.
- **Length:** 200mm for flexible placement.
- **Shielding:** Equipped with black EMI shielding to reduce electromagnetic interference.



Figure 1: The UeeKKoo 200mm CSI to 15-pin Flexible Cable, showcasing its flat, flexible design and connectors.

## 2. SETUP AND INSTALLATION

Follow these steps to properly connect the CSI flexible cable to your Raspberry Pi 5 or Compute Module 4 and a compatible CSI camera module.

1. **Power Off:** Ensure your Raspberry Pi or Compute Module 4 is completely powered off and disconnected from its power source before beginning installation.
2. **Identify CSI Ports:** Locate the CSI (Camera Serial Interface) port on your Raspberry Pi 5 or Compute Module 4. This port is typically a long, thin connector.
3. **Connect to Camera Module:** Gently insert the 22-pin end of the flexible cable into the CSI connector on your camera module. Ensure the contacts are facing the correct direction as indicated by the camera module's documentation. Secure the connector's latch if present.
4. **Connect to Raspberry Pi/CM4:** Insert the 15-pin end of the flexible cable into the CSI port on your Raspberry Pi 5 or Compute Module 4. Be careful to align the cable correctly; the blue strip (if present) or printed side usually faces away from the PCB. Secure the connector's latch.
5. **Verify Connection:** Double-check that both ends of the cable are fully seated and latched securely to prevent intermittent connections.

**Important Note:** This cable is designed for CSI (Camera Serial Interface) connections only. It is not compatible with DSI (Display Serial Interface) ports. Attempting to connect a CSI cable to a DSI port, or vice-versa, can cause damage to the components. DSI and CSI cables are not interchangeable.

# Application Example

## Connecting CSI Camera Module to Raspberry Pi 5 or CM4



\* for reference only, please refer to the **Package Content** for the detailed part list.  
DSI cable and CSI cable are not compatible and cannot be mixed

Figure 2: An application example showing the CSI cable connecting a camera module to a Raspberry Pi board. Note the distinction between CSI and DSI connections.

### 3. OPERATING CONSIDERATIONS

Once the cable is securely connected, the camera module should be recognized by your Raspberry Pi or Compute Module 4's operating system. Ensure that the necessary camera drivers and software configurations are enabled on your device for the camera to function correctly.

- Refer to the official documentation for your Raspberry Pi or Compute Module 4 for specific instructions on enabling and using camera modules.
- Avoid bending the flexible cable sharply, especially near the connectors, as this can damage the internal traces and affect performance.

### 4. MAINTENANCE

The CSI flexible cable requires minimal maintenance. To ensure its longevity and reliable performance:

- **Handling:** Always handle the cable by its ends, avoiding pulling on the flexible ribbon itself.
- **Storage:** When not in use, store the cable in a clean, dry environment, away from direct sunlight and extreme temperatures. Avoid coiling it tightly.
- **Cleaning:** If necessary, gently wipe the cable with a soft, dry, lint-free cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect the cable for any signs of damage, such as kinks, tears, or exposed wires. Replace the cable if any damage is observed.

### 5. TROUBLESHOOTING

If you encounter issues with your CSI flexible cable, consider the following troubleshooting steps:

- **Camera Not Detected:**
  - Ensure the cable is fully inserted and latched at both the camera module and the Raspberry Pi/CM4 ends.
  - Verify that the cable is connected to the correct CSI port, not a DSI port.
  - Check the orientation of the cable at both connectors.
  - Confirm that the camera module itself is functional.
  - Ensure camera support is enabled in your Raspberry Pi's operating system configuration (e.g., viaraspi-config).
- **Intermittent Connection:**
  - Reseat the cable at both ends.
  - Inspect the cable for any physical damage, such as bends or nicks. A damaged cable may need replacement.
- **Image Quality Issues (Noise/Distortion):**
  - While the cable has EMI shielding, ensure it is not routed too close to strong electromagnetic interference sources.
  - Verify that the camera module itself is not faulty.

6. SPECIFICATIONS

| Feature            | Detail                                               |
|--------------------|------------------------------------------------------|
| Model Number       | Pi5                                                  |
| Brand              | UeeKKoo                                              |
| Connector Type     | CSI (22-pin to 15-pin)                               |
| Cable Type         | Flexible Flat Cable (FFC)                            |
| Length             | 200mm                                                |
| Compatible Devices | Raspberry Pi 5, Compute Module 4, CSI Camera Modules |
| Special Feature    | EMI Shielding                                        |
| Package Dimensions | 0.18 x 0.18 x 0.07 inches                            |
| Item Weight        | 0.16 ounces                                          |

## Specifications

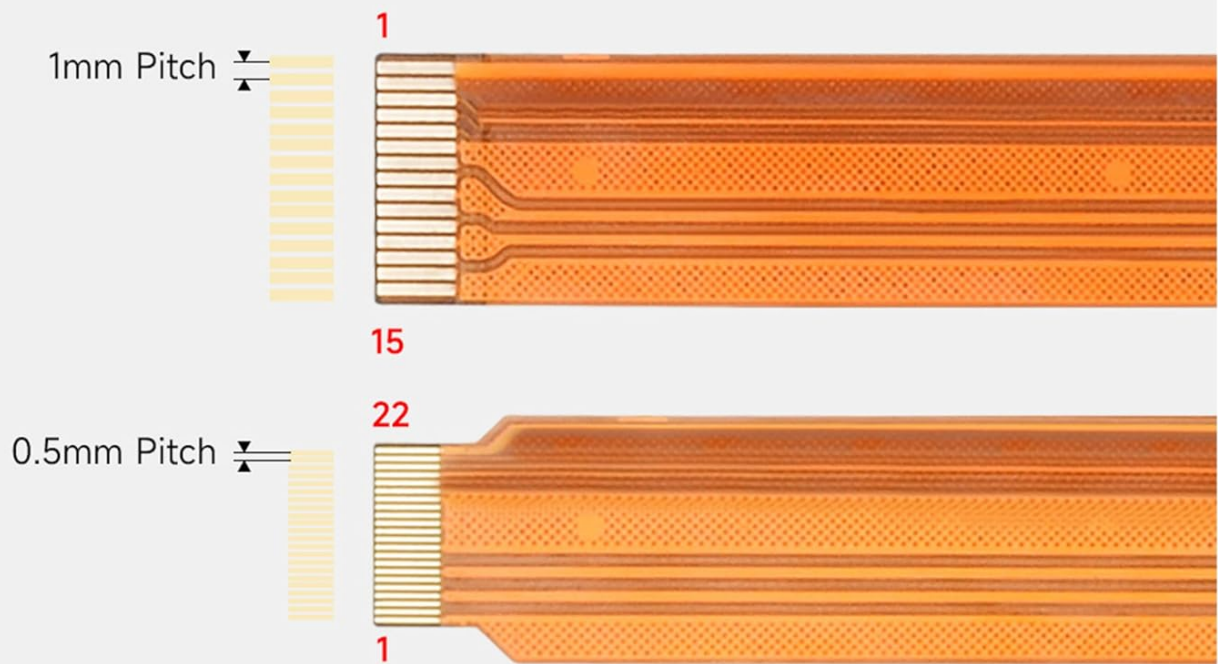


Figure 3: Detailed view of the cable's pin pitches, illustrating the 1mm pitch for 15-pin and 0.5mm pitch for 22-pin connectors.

## 7. PACKAGE CONTENTS

The package for this product includes the following item:

- Pi5-Camera-Cable-200mm x1

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or any other inquiries, please contact the manufacturer, UeeKKoo, directly through their official channels or the retailer from whom the product was purchased.