

The **5MP 1080P Raspberry Pi Camera Module Rev 1.3** is a high-quality imaging solution specifically designed for the Raspberry Pi platform. Whether you are building a security system, creating a smart home project, developing a robotics application, or exploring computer vision and AI, this camera module offers reliable performance, excellent image quality, and seamless integration with Raspberry Pi boards.

Equipped with a **5-megapixel sensor**, this camera module captures sharp and detailed images, making it perfect for both still photography and video recording. The module supports **1080p Full HD video at 30 frames per second**, allowing for smooth video capture suitable for surveillance, streaming, or multimedia projects. The high-resolution capabilities make it an excellent choice for projects that require precision imaging and accurate visual data.

This camera module is fully compatible with all Raspberry Pi models that feature a Camera Serial Interface (CSI) port. The included **flexible ribbon cable** ensures a stable connection between the camera and the Raspberry Pi board, allowing for flexible mounting options and easy integration into custom projects. The module connects seamlessly via the CSI port, providing reliable data transfer with minimal latency.

Compact and Lightweight Design

The compact and lightweight design of the camera module makes it easy to incorporate into small devices, drones, robotics platforms, and other embedded systems. Despite its small size, the camera delivers high-quality imaging performance, making it suitable for both hobbyist and professional applications.

Versatile Applications

The **Raspberry Pi Camera Module Rev 1.3** is highly versatile and supports a wide range of applications, including:

- **Security and Surveillance:** Build home or office security cameras with real-time video streaming.
- **Robotics:** Integrate vision capabilities into robots for navigation, object detection, and autonomous tasks.
- **Time-Lapse and Photography Projects:** Capture high-resolution photos and videos for creative or scientific projects.
- **AI and Machine Learning:** Combine with AI frameworks to implement facial recognition, motion detection, and computer vision projects.
- **Smart Home Applications:** Use for doorbell cameras, baby monitors, or smart appliances requiring visual input.

Easy Setup and Use

Setting up the camera is straightforward. Simply connect the ribbon cable from the camera module to the CSI port on your Raspberry Pi board, enable the camera interface in the Raspberry Pi configuration settings, and start capturing images or videos. The module is compatible with all standard Raspberry Pi camera software and libraries, including Python libraries, making programming and integration simple for both beginners and advanced users.

Advanced Imaging Features

- **High Frame Rate:** Supports smooth 1080p video at 30fps for dynamic scenes.
- **Still Image Capture:** Capture high-quality still images up to 5MP resolution.
- **Lightweight Lens:** The module includes a fixed-focus lens optimized for close to medium-range applications.
- **Flexible Mounting:** The included ribbon cable allows you to position the camera at different angles and distances, accommodating various project layouts.

Package Contents

- 1x 5MP Raspberry Pi Camera Module Rev 1.3
- 1x Flexible Ribbon Cable for connection to the Raspberry Pi board
- 1x User Guide/Instruction Manual

Why Choose This Camera Module

The **5MP 1080P Raspberry Pi Camera Module Rev 1.3 with Cable** is a reliable, high-performance, and compact imaging solution that complements your Raspberry Pi projects. Its high-resolution sensor, Full HD video support, and flexible mounting options make it perfect for both experimentation and practical applications. With this camera, you can expand the capabilities of your Raspberry Pi and develop innovative projects that require visual input.

Investing in this camera module ensures you have a professional-grade tool for capturing high-quality images and video while maintaining compatibility, ease of use, and versatility for all types of Raspberry Pi projects.



