

Dalvik Apps Product Details

Raspberry Pi Camera Module

Price: INR 2,000

The Raspberry Pi Camera Module is an essential accessory for makers, hobbyists, and educators who want to add image and video capture functionality to their Raspberry Pi projects. Designed to work seamlessly with all Raspberry Pi models, this compact camera offers high-quality images and video recording capabilities, making it ideal for applications such as time-lapse photography, surveillance, facial recognition, and computer vision.

Key Components:

- **High-Resolution Image Capture:** Captures still images with high clarity, suitable for photography projects and image processing applications.
- **HD Video Recording:** Supports Full HD video at 1080p, with options for 720p and 480p, ideal for projects that require smooth video recording.
- **Compact and Lightweight:** Small form factor allows easy integration into projects, including robotics, drones, and portable devices.
- **Easy Connection:** Connects to the Raspberry Pi via the CSI (Camera Serial Interface) port, providing a reliable and fast connection for high-speed image data transfer.
- **Wide Compatibility:** Compatible with all Raspberry Pi models, including the Pi Zero series, for versatile use across different projects.
- **Infrared (IR) Support:** Available in both standard and NoIR versions. The NoIR (No Infrared Filter) variant is suitable for low-light or night-time photography, enabling it to see in the dark with infrared illumination.
- **Programmable:** Can be controlled via Python and other programming languages, allowing integration with OpenCV and other image processing libraries for advanced

applications like object detection, machine learning, and automation.

Specifications:

- ❖ **Resolution:** 8MP (or higher, depending on the model)
- ❖ **Lens:** Fixed focus, wide-angle lens options available
- ❖ **Connectivity:** CSI interface
- ❖ **Video Modes:** 1080p30, 720p60, 480p90 (varies with model)
- ❖ **Operating System Compatibility:** Works with the official Raspberry Pi OS, as well as third-party software like MotionEye for surveillance and OpenCV for computer vision.