

Development Board with Camera OV2640

Model:ESP32-CAM



Description:

The ESP32CAM is a tiny module based on ESP32 chip and OV2640. You can even program the ESP32CAM through the ESP-IDF by installing the ESP32 Core.

The ESP32CAM equips the ESP32 with everything necessary to program, run and develop on the wonderchip. It also features a LiPo charger (IP5306), so your ESP32CAM project can be battery-powered and truly wireless. Additionally, the board reserved the MPU6050, BME280 and an analog MIC.

Features:

ESP32:

- Dual-core Tensilica LX6 microprocessor.
- Up to 240MHz clock frequency.
- 520kB internal SRAM.
- 4MB Flash memory.
- Integrated 802.11 BGN WiFi transceiver.
- Integrated dual-mode Bluetooth (classic and BLE).
- Hardware accelerated encryption (AES, SHA2, ECC, RSA-4096). - CP2104 USB TTL.

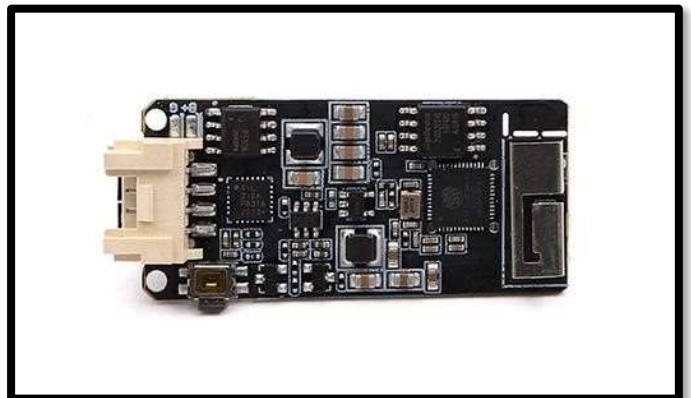
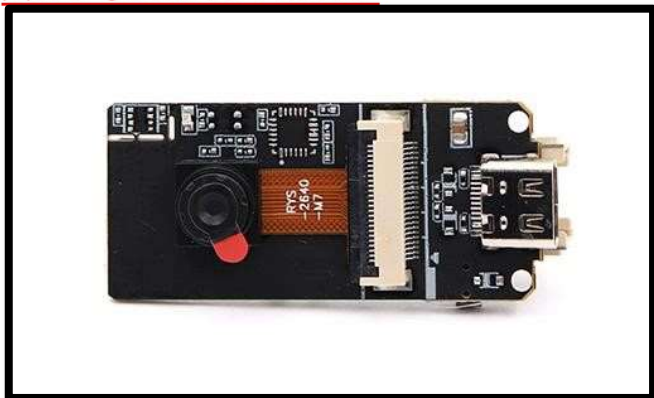
OV2640 Sensor:

- Output Formats(8-bit):
- YUV (422/420)/YCbCr422
- RGB565/555
- 8-bit compressed data
- 8-/10-bit Raw RGB data
- Maximum Image Transfer Rate

Specifications for OV2640 Sensor:

- UXGA/SXGA: 15fps
- SVGA: 30fps
- CIF: 60fps
- Scan Mode: Progressive
- Camera Specifications
- CCD Size: 1/4inch
- Field of View: 78 degree
- Maximum Pixel: 200W
- Sensor Best Resolution: 1600 * 1200
- Dimension: 25mm x 24mm
- Weight: 5g

More Detailed Photos:



Made in China