

Camera Module Lens

Model:OV7670



Features:

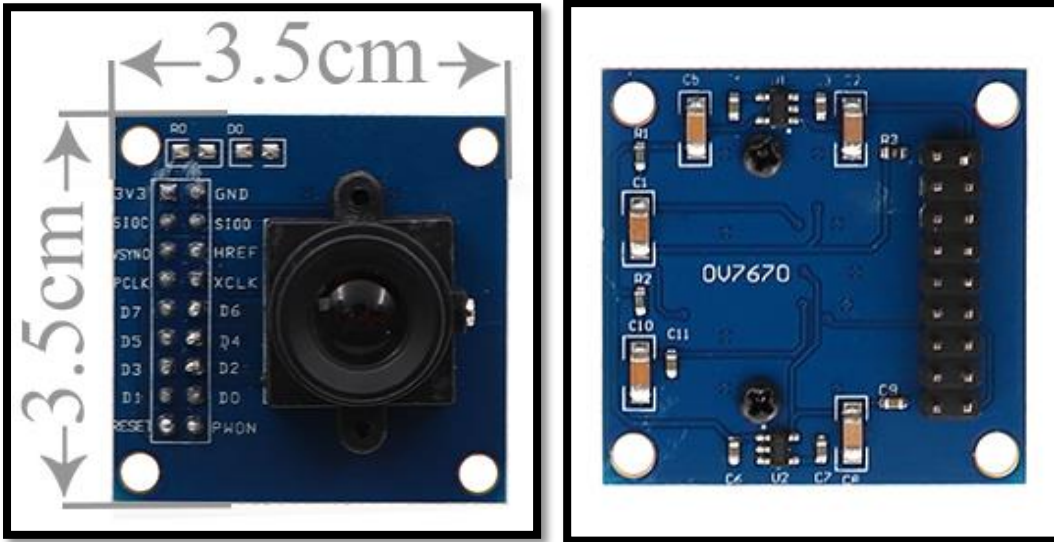
- ❖ High sensitivity for low-light applications.
- ❖ Low voltage suitable for embedded applications.
- ❖ Standard SCCB interface compatible with I2C interface.
- ❖ Raw RGB (GRB4: 2:2, RGB565/555/444), YUV (4:2:2) and YCb Cr (4:2:2) output format.
- ❖ Support VGA, CIF, and from CIF to 40x30 of various sizes.
- ❖ Varo Pixel subsampling.
- ❖ Automatically affect the control functions include: automatic exposure control, automatic gain control, automatic white.
- ❖ balance, automatic eliminate light stripes, automatic black level calibration image quality control including color saturation, hue, gamma, sharpness ANTI_BLOOM.
- ❖ ISP has to eliminate noise and dead pixel compensation function.
- ❖ Support for image scaling.
- ❖ The lens is the loss of light compensation.
- ❖ 50/60Hz automatic detection.
- ❖ Saturation automatically adjust (UV adjustment).
- ❖ Edge enhancement automatically adjust.
- ❖ Noise Reduction automatically adjust.

Specifications:

- Photosensitive Array: 640 x 480
- IO Voltage: 2.5V to 3.0V
- Operating Power: 60mW/15fpsVGAYUV
- Sleeping Mode: $20\mu A$
- Operating Temperature: -30° to 70° C
- Output Format: YUV/YCbCr4:2:2 RGB565/555/444 GRB4:2:2 Raw RGB Data (8 digit)
- Lens Size: 1/6"
- Vision Angle: 25°
- Max. Frame Rate: 30fps VGA
- Sensitivity: 1.3V / (Lux-sec)

- Signal to Noise Ratio: 46 dB
- Dynamic Range: 52 dB
- Browse Mode: By row
- Electronic Exposure: 1 to 510 rows
- Pixel Coverage: $3.6\mu\text{m} \times 3.6\mu\text{m}$
- Duck Current: 12 mV/s at 60°C
- Size: $3.5 \times 3.5\text{cm}$

More Detailed Photos:



Made in China