



OV7670

VGA Camera Module



- High sensitivity for low-light operation
- Low operating voltage for embedded portable apps
- Lens shading correction
- Flicker (50/60 Hz) auto detection
- De-noise level auto adjust
- Supports image sizes: VGA, CIF, and any size scaling down from CIF to 40x30
- VarioPixel method for sub-sampling
- Automatic image control functions including: automatic exposure control (AEC), automatic gain control (AGC), automatic white balance(AWB), automatic band filter (ABF), and automatic black-level calibration (ABLC)
- ISP includes noise reduction and defect correction
- Supports LED and flash strobe mode
- Supports scaling
- Output support for Raw RGB, RGB (GRB 4:2:2, RGB565/555/444), YUV (4:2:2) and YCbCr (4:2:2) formats
- Image quality controls including color saturation, hue, gamma, sharpness (edge enhancement), and anti-blooming