

# 35647-MP

## 2.0MPixelArduCam OV2640

2 M Pixel camera with built-in embedded microprocessor for Arduino, Raspberry-Pi & others. High sensitivity and low voltage for embedded applications.

Supports automatic exposure control, automatic gain control, auto white balance, automatic elimination of light streaks, automatic black level calibration. Image quality control including color saturation, color, Phase, gamma, sharpness, ANTI\_BLOOM,

Power: 3.3VDC ~0.04A (40mA) Integrated LDO Regulators

Sensor: OV2640

Sensor size: 1/4 inch.

Lens: 3.6mm/F2/78° Viewing Angle

Pixels: 1600 \* 1200 (200W).

Output Format: RawRGB, RGB (GRB4:2:2, RGB565/555/444), YUV (4:2:2) and YCbCr (4:2:2)

Supports: UXGA, SXGA, VGA, QVGA, QQVGA, CIF, QCIF and up to 40x30 sizes

Control: SCCB interface, compatible with I2C interface

Support for image scaling, panning, and window settings

Support image compression to output JPEG image data

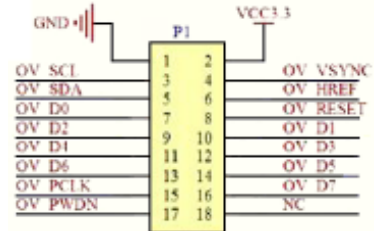
Connections: 2x9 0.1" pitch Male header

**SQ:** 1-1/8" **D:** 1-3/8" O/A **WT:** .02



PIN 1

PIN 2



**HEADER PINS**

### Usefull Links:

<https://github.com/ArduCAM/Arduino>

<https://github.com/torvalds/linux/blob/master/drivers/media/i2c/ov2640.c>

<https://www.arduino.cc/en/main/software>

PIN	FUNCTION	DESCRIPTION	PIN	FUNCTION	DESCRIPTION
1	Gnd	Power Ground	2	Vcc	3.3V Power
3	SCL	Serial Clock	4	VSYNC	Frame Valid
5	SDATA/SIOO	Serial Data I/O	6	HREF	Data Valid
7	D0	Data Output	8	RESET	Reset Sensor
9	D2	Data Output	10	D1	Data Output
11	D4	Data Output	12	D3	Data Output
13	D6	Data Output	14	D5	Data Output
15	DCLK	Data Clock	16	D7	Data Output
17	PWDN	Power Down	18	NC	Not Used

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