Product Features

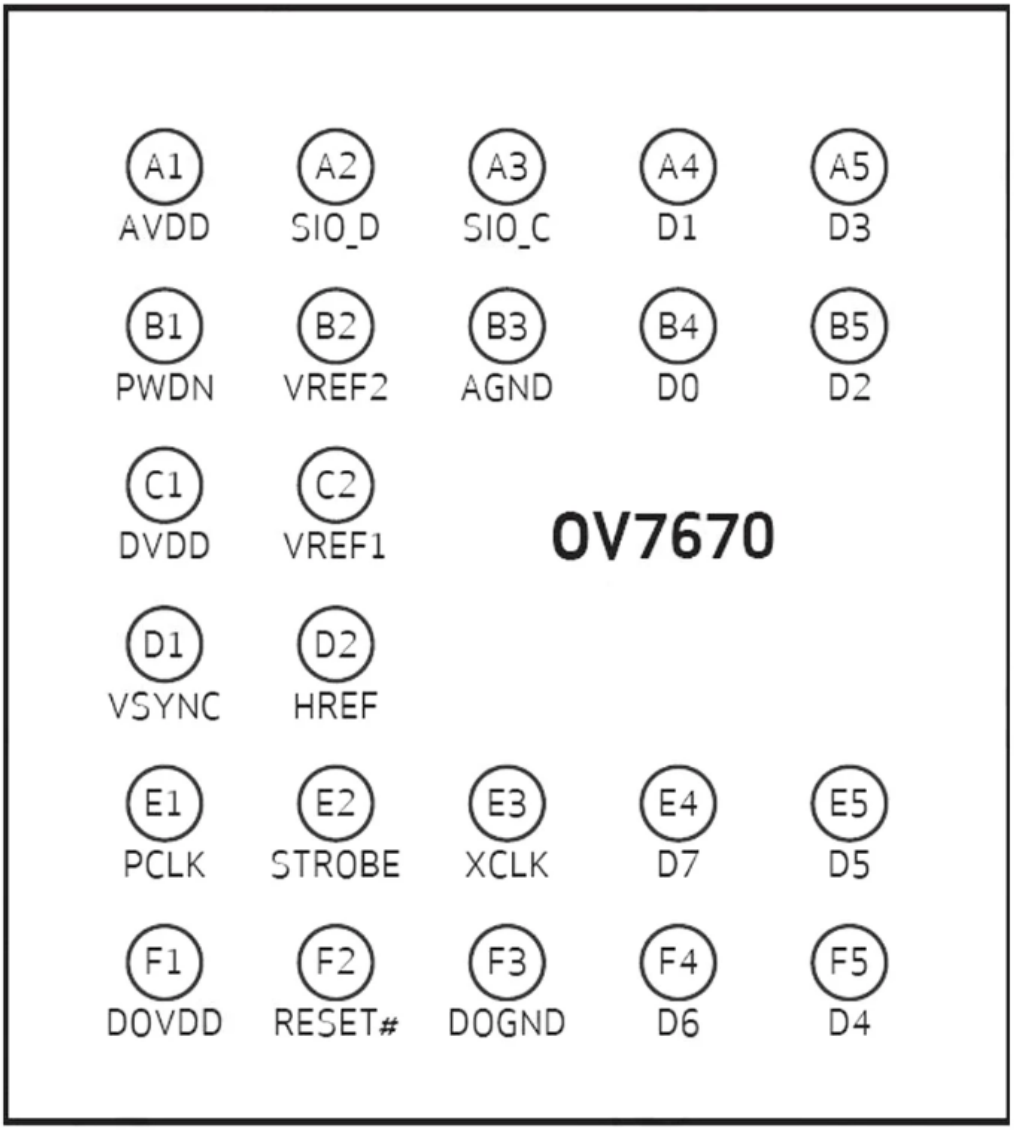
- High sensitivity suitable for low illumination applications
- Low voltage is suitable for embedded applications
- Standard SCCB interface, compatible with I C interface
- RawRGB, RGB (GRB4: 2: 2, RGB565 / 555/444), YUV (4: 2: 2) and YCbCr (4: 2: 2) output formats
- Support VGA, CIF, and various sizes from CIF to 40x30
- VarioPixel sub-sampling method
- Automatic influence control functions include: automatic exposure control, automatic gain control, automatic white balance, automatic removal of light stripes, automatic black level calibration. Image quality control includes color saturation, hue, gamma, sharpness and ANTI_BLOOM
- ISP has the function of eliminating noise and dead point compensation
- Support flash: LED lamp and xenon lamp
- Support image zoom
- Lens loss compensation
- 50 / 60Hz automatic detection
- Saturation automatic adjustment (UV adjustment)
- Automatic adjustment of edge enhancement
- Automatic adjustment of noise reduction

Product Parameters

Photosensitive array		640x480
power supply	Nuclear voltage	1.8VDV±10%
	Analog voltage	2.45VDV to 3.0Va
	IO voltage	1.7V to 3.0V
Power consumption	work	60mW/15fpsVGAYUV
	dormancy	<20μA
temperature	operate	-30°C到 70°C
	Stable work	0°C到 50°C
Output format (8 bits)		YUV/YCbCr4:2:2 RGB565/555/444 GRB4:2:2 Raw RGB Data
Optical size		1/6"
Angle of view		25°
Maximum frame rate		30fpsVGA
Sensitivity		1.3V/(Lux-sec)
Signal to noise ratio		46 dB
Dynamic Range		52 dB
Browse mode		Line by line
Electronic exposure		1 line to 510 lines
Pixel area		3.6 μm x 3.6 μm
Dark current		12 mV/s at 60°C
Well capacity		17Ke
Affected area		2.36mmx1.76mm

Note: If the internal LDO is used to power the core (1.8V), the I / O voltage should be 2.45V or higher, otherwise the external 1.8 V must be used to power the core.

Pin Diagram



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