



This is a monochrome camera module based on the most advance CMOS mixed signal technology. It integrates image array, signal processing, timing and control circuitry, all on a single chip. It is designed for 1.2-3V operation for miniature purpose. It is suitable for low cost application.

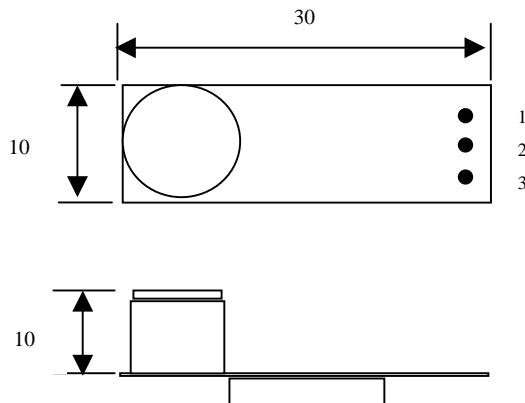
Features:

- Small size : 10x30 mm
- Resolution: 101Kpixels
- Operation voltage : 1.2-3V
- Built-in DC step up circuit
- Low power consumption (<100mW)
- Coaxial cable with 3 pin socket
- Direct connect to standard video monitor
- High IR sensitivity for night time application
- Auto exposure control
- Gamma correction - 0.45/1.0
- Auto gain control - 18dB
- Automatic black level calibration
- Anti-Blooming



Pin Description

1. PWR Power Supply 1.2- 3V DC
2. GND Common Ground for power and video
3. CVO Composite Video Output
Direct connect to TV/Monitor



Specification

Imager	1/4" CMOS imager sensor OV5116
Scanning	2:1 Interlace
Shutter	1/50 to 1/6,000 sec
Video Output	1V p-p Composite video (75Ω)
Picture Element	352x288 pixel
Effective image area	3.2mm x 2.5mm
S/N Ratio	>46dB (AGC on)
Resolution	260 TV lines
Min Illumination	0.5 Lux at f1.4
Operation Voltage	1.2- 3VDC
Operation Current	25.5mA@ 3V 94mA@1.5V 95mA@1.2V
Connectors	PWR, Video, GND
Lens	F=4.6mm, F=2.8
Dimension	φ10 x 30 mm