



This is a family of products 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 ideal for applications requiring a small footprint, low power and low cost.

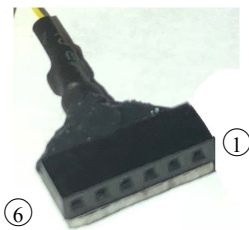
**Features:**

- Small size : 0.64x0.64x1.2mm
- Resolution: 200x200 pixels
- Operation voltage 3.3V
- Low power consumption
- Cable size: 0.5mm OD
- Cable length: 1M
- Optical center aligned with mechanical center

**Application Example**

- Inspection device
- Endoscope

**Pin Description**



1	VDD	3VDC
2	NC	
3	NC	
4	VOUT	Analog video out
5	CLK	Clock input
6	GND	Ground



**Specification**

Imager	CMOS imager sensor OVM6948
Optical Format	1/36"
Clock rate	4MHz
Max exposure	792 x T <sub>line</sub>
Video Output	Analog
Scan mode	Progressive
Picture Element	200x200 pixel
Pixel size	1.75x1.75um
Effective image area	364x364um
S/N Ratio	34.4dB
Dynamic range	67.1dB
Operation Voltage	3.3VDC
Power consumption	25mW
Connector	6pin 2mm pitch
Connection	VDD, GND, CLK, VOUT
Tip Dimension	0.64x0.64 mm
Optical Spec	
FOV	120° diagonal
F/No	2.8
Relative Illumination	56.6%
Working Distance	3mm ~ 30mm
IR cut off	665+/-10nm

**Backend Module Selection**

Features	Model No	Interface	Display	Application
PC application	<a href="#">C8282P/L</a>	USB2.0	PC/NB	Handle
TV viewing	<a href="#">C8281</a>	CVBS	TV monitor	Handle
HD monitor connection	<a href="#">C8203E</a>	HDMI	HD moitor	Desktop