



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. Applying a simple circuit and enclosed in a stylish design casing, it becomes a complete camera. It is suitable for low cost application.

**Features:**

- Small size : 22x22x28mm
- Built-in lens with IR filter
- Full resolution 365Kpixels
- 5V operation
- Low power consumption
- Lens: f6.0mm F1.6
- Direct connect to standard video monitor
- Auto exposure control
- Auto gain control - 18dB
- Automatic white balance
- Automatic black level calibration



**Specification**

Imager	CMOS imager sensor OV7949
Scanning	2:1 Interlace
Shutter	1/50 to 12.5uS
Video Output	Composite video (75Ω)
Picture Element	628 x 586 pixel
Effective image area	5.961 x 4.276mm
S/N Ratio	>48dB (AGC on)
Resolution	340 TV lines
Fixed pattern noise	<0.079% Vp-p
Dark Current	10mV/s@60C
Dynamic range	50dB
Operation Voltage	5VDC
Connectors	PWR, Video, GND
Lens	f6.0mm F1.6, FOV35.5 x 33.4°C
Dimension	22x22x28 mm

**Application Example**

- Visual Door Phone
- Baby Monitor
- Security and Surveillance System
- Machine Vision
- Process Control
- Car Rear Viewer
- Toys

**Pin Description**

- 1. PWR      Power Supply, DC5V±0.5V
- 2. GND      Power Supply Ground
- 3. CVO      Composite Video Out, direct connect to monitor.

