

C-Cam8AN (NTSC) Color Camera

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 250Kpixels
 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

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. |



Specification

Imager	CMOS imager sensor OV7949
Scanning	2:1 Interlace
Shutter	1/50 to 12.5uS
Video Output	Composite video (75Ω)
Picture Element	510 x 498 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, FOV 46 deg
Dimension	22x22x28 mm

