

C-Cam2

Miniature Video Camera

C-Cam2 turns a complete video camera into a component of your product.

C-Cam2, a CMOS type video camera, is specially designed for the cost sensitive consumer electronics application.

C-Cam2 offers the unique benefits such as a low power consumption, low cost, small size together with consistent image quality.

Features:

Small size : 16x16x15mm(0.6"DIL package)

Pin hole lens

5V operation

Low power consumption

Direct connect to standard video monitor

Auto exposure control

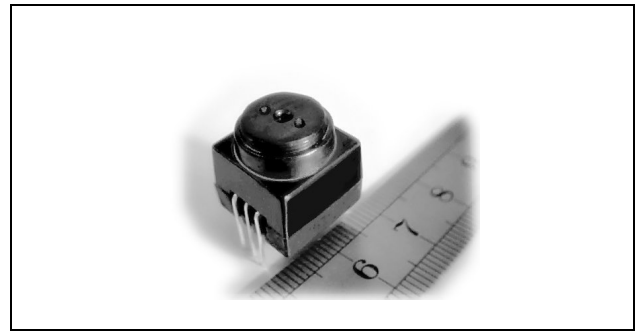
Back light compensation

Gamma correction - 0.45/1.0

Auto gain control - 18dB

Auto black level calibration

Improvement on anti-blooming and anti-smearing

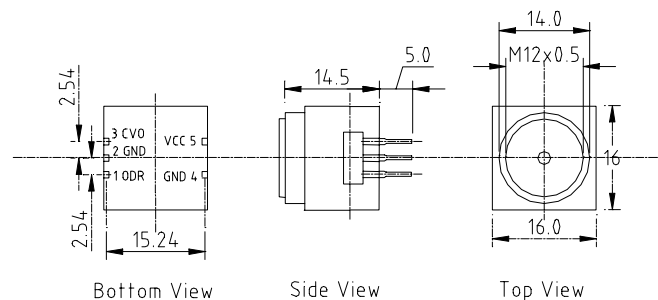


Specification

Imager	1/3" CMOS imager sensor
Scanning	2:1 Interlace
Shutter	1/60 to 1/6000 sec
Video Output	1V p-p composite video (75Ω)
Picture Element	EIA: 320(H) x 240(V) CCIR: 352(H) x 288(V)
Effective image area	4.8mm x 3.6mm
S/N Ratio	>46dB (AGC on)
Resolution	240 TV line min
Operation Voltage	5 VDC± 0.5V
Operating Current	10mA (no load)
Lens	f4.9mm F2.8 FOV 56° x 42°

Mechanical Dimension

All Dimensions are in mm



Application Example

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

Pin Description

1. ODR AGC Disable pin, tie low for out door use
2. GND Power Supply Ground
3. CVO Composite Video Out, direct connect to monitor.
4. GND
5. VCC Power Supply, DC5V± 0.5V.

Application

