

C-Cam-2A

Miniature Video Camera

C-**Cam-2A** turns a complete video camera into a component of your product.

C-**Cam-2A**, a new version CMOS type video camera, is specially designed for the cost sensitive consumer electronics application.

C-**Cam-2A** offers the unique benefits such as low power consumption, low cost, small size together with consistent image quality.

Features:

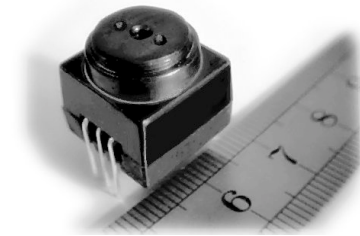
- Small size : 16x16x15mm
- Lens: f4.9mm
- 5V operation
- Low power consumption (<100mW)
- Direct connect to standard video monitor
- On-chip auto exposure control
- Auto Back light compensation
- Gamma correction - 0.45/1.0
- Auto gain control - 18dB
- Auto black level calibration
- High IR sensitivity for night time application
- Auto level expanding
- Edge enhancement

Application Example

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

Pin Description

1. GAM Gamma 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, 5VDC \pm 0.5V.

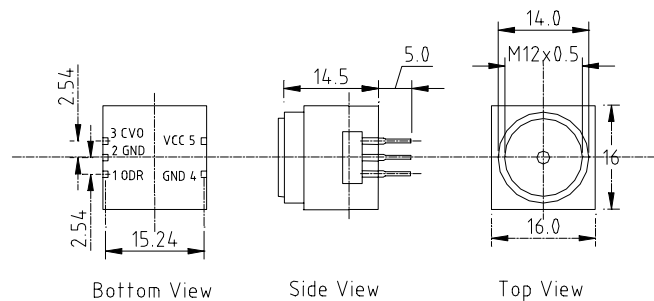


Specification

Imager	1/4" CMOS imager sensor
Scanning	2:1 Interlace
Shutter	1/50 to 1/6,000 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	3.2mm x 2.5mm
S/N Ratio	>46dB (AGC on)
Min Illumination	0.5Lux at F1.4
Resolution	260 TV line (CCIR)
Operation Voltage	5 VDC \pm 0.5V
Operating Current	10mA (no load)
Lens :	f4.9mm F2.8 FOV 36° x 27°

Mechanical Dimension

All Dimensions are in mm



Application

