

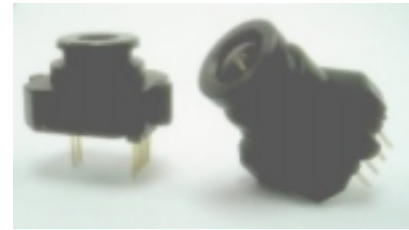
C-Cam-A

Ultra Low Cost Video Camera

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

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

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



| | |
|----------------------|--|
| 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 : | f3.8mm F2.0, FOV 45° x 40° f4.9mm F2.8, FOV 36° x 27° |

Small size : 21x21x15mm

Lens: f3.8mm or f4.9mm

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

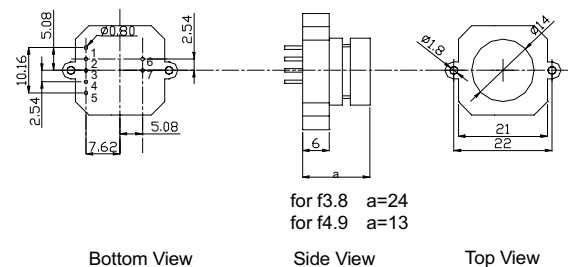
High IR sensitivity for night time application

Auto level expanding

Edge enhancement

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

ALL DIMENSIONS ARE IN MM



1. Vout Composite Video Out, direct connect to video monitor.
2. GND Power Supply Ground
3. VCC Power Supply, DC5V \pm 0.5V.
4. Gam Internal pull high (gamma=0.45), pull low to set gamma=1
5. Gain Internal pull high, pull low to reduce gain
6. NC
7. NC

