

ITM-C-SL-N

Miniature Color Camera Standard Resolution



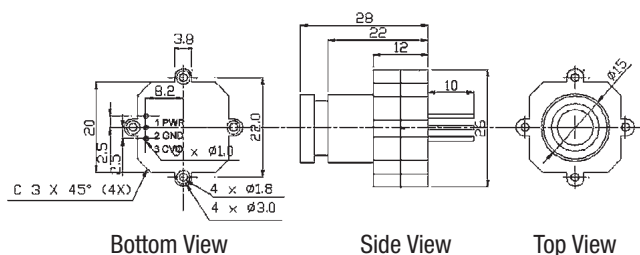
General Description

ITM-C-SL-N turns a complete color video camera into a component of your product. ITM-C-SL-N, a CMOS type video camera, is specially designed for the cost sensitive consumer electronics application. It offers the unique benefits such as low power consumption, low cost, small size together with consistent image quality.

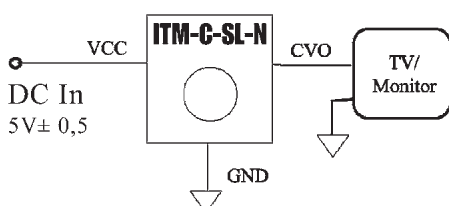
Pin Description

1. PWR Power Supply, DC 5V $\pm$ 0.5V
2. GND Power Supply Ground
3. CVO Composite Video Out, direct connect to monitor

Mechanical Dimension [in mm]



Application



Application Example

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

Features

- Small size 22 $\times$ 22 $\times$ 28 mm
- Lens..... Built-in lens with IR-filter
- 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
- Auto white balance

Specification

Imager	1/3" CMOS image sensor
Scanning	2:1 Interlace
Shutter	1/60 to 1/15,000 sec
Video Output	1V p-p composite video (75 Ω)
Picture Element	PAL: 628(H) $\times$ 582(V) NTSC: 510(H) $\times$ 492(V)
Effective image area	5.78mm $\times$ 4.19mm
Resolution	340 TV lines
S/N Ratio	>48dB (AGC on)
Fixed pattern noise	<0.03% V p-p
Dark Current	<0.2nA/cm ²
Dynamic Range	>72dB
Operation Voltage	5 VDC $\pm$ 0.5V
Operating Current	10mA (no load)
Lens	f6.0mm F1.6 FOV 51° $\times$ 43°