ITM-C-SL-N

Miniature Color Camera
Standard Resolution

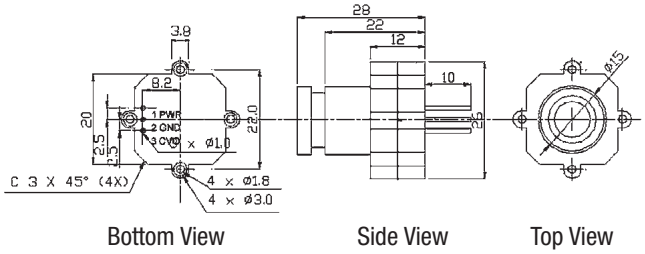
General Description

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

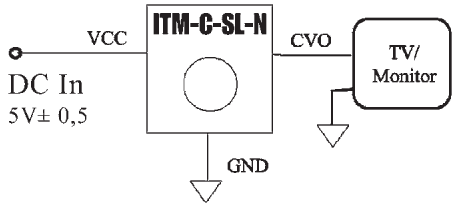
1. PWR	Power Supply, DC 5V ± 0.5V
2. GND	Power Supply Ground
3. CVO	Composite Video Out, direct connect to monitor

Mechanical Dimension [in mm]



Bottom View Side View Top View

Application



Application Example

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

Features

Small size ..... 22 × 22 × 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	⅓″ CMOS image sensor
Scanning	2:1 Interlace
Shutter	1/60 to 1/15,000 sec
Video Output	1V p-p composite video (75Ω)
Picture Element	PAL: 628(H) × 582(V)
	NTSC: 510(H) × 492(V)
Effective image area	5.78mm × 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 ± 0.5V
Operating Current	10mA (no load)
Lens	f6.0mm F1.6 FOV 51° × 43°