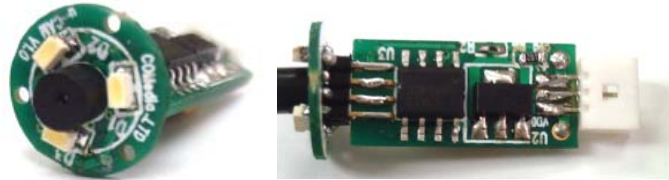


MuC201 (NTSC) Color Camera Module

This is a family of products based on the most advance CMOS mixed signal technology. It integrates image array, signal processing, timing and control circuitry, all on a single chip. It is ideal for applications requiring a small footprint, low power and low cost.

Features:

Small size : 11x28 mm
Resolution: 100Kpixels
Wide operation voltage (3.8 - 5V)
Built in white LED x3pcs
Built in lens with IR cut filter
Low power consumption (<300mW typ.)
Direct connect to standard video monitor



Specification

Imager	CMOS imager sensor OV6920
Optical Format	1/18"
Shutter	1/60 to 1/5.7 usec
Video Output	Composite video (75Ω)
Picture Element	320x240 pixel
Effective image area	820x625um
S/N Ratio	42dB
Fixed pattern noise	<0.03% Vp-p
Dark Current	TBD
Dynamic range	42dB
Operation Voltage	3.8-5 VDC
Connector	Min 3 pin connector of 1mm pitch
Connection	PWR, Video, GND
Lens	F2.8, EFL:0.96mm with IR cut
FOV	55deg
Dimension	Sensor board: 10mm diameter Main board: 8x18mm

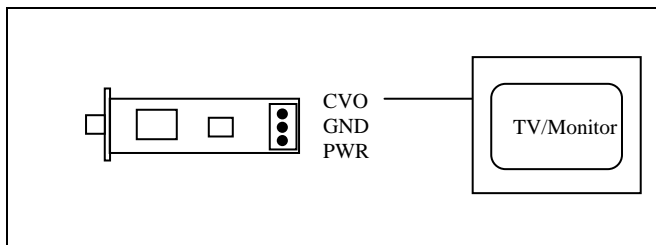
Application Example

- Camera for ducting inspection
- Pen camera
- Toys

Pin Description

1. CVO Composite Video Output
Direct connect to TV/Monitor
2. GND Common Ground for power and video
3. PWR Power Supply 3.8-5V DC

Connection Diagram



Electrical Characteristic at 25C

	Min	Typ	Max	Unit
Operation Voltage	3.8	4.5	5	V
Operation Current	30	35	50	mA
Operation Temperature	0		45	deg C

Note: operation current may be varied by the brightness of image.