COMedia Ltd.
康大科技有限公司

w/2LED

mCam101L2
HD 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:

- Tip size 3.4mm OD x 9.5mm (with tube)
- Resolution: HD1000*1000 pixels
- Operation voltage 2.8V, 1.2V
- MIPI interface
- Low power consumption
- Cable size: 1.45mm OD
- Cable length: 1M (up to 4M)

Application Example

- Inspection device
- Endoscope

Connector

24pin B-B connector to fit backend modules. Device ID has been built for back end module identification

Specification

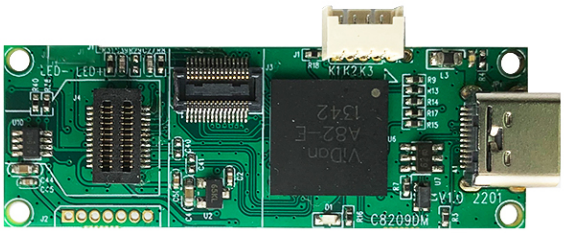
Imager	CMOS imager sensor ES101
Video Output	1 lane MIPI
Scan mode	Progressive, max 60fps@1000*1000
Data format	10bit/8bit Raw RGB
Picture Element	1000*1000pixel
Pixel size	1.4x1.4um
Effective image area	1400*1400um
S/N Ratio	37.2dB
Dynamic range	72dB
Operation Voltage	2.8V, 1.2VDC
Power consumption	35mW@60fps 27mW@30fps
Cable	2p + 1C coaxial + 5C wire, OD1.45+/-.5mm
Connection	24pin 0.5mm B-B
Tip Dimension	OD3.4mm, L=9.5mm
Lens specification	FOV: 130deg diagonal F/N: 5.8
Working distance	5mm~10mm

Back End Module C8209ML

C8209ML is USB UVC module, specially designed for interfacing mCam101L2 camera. It has built in LED control circuit to get the optimum lighting for camera illumination

Features

- ✓ UVC compatible, no driver is needed for win7, win10, win11
- ✓ Good for some kernel of Linux OS
- ✓ Output 992x992 pixels at 30fps
- ✓ LED on board to indicate operation status
- ✓ USB Type-C connector
- ✓ External key board for white balance (optional)



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