mCam703L2
HD Camera Module
w/2LED

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 3.8 OD x 8mm
- Resolution: HD1280x720 pixels
- Operation voltage 2.8V, 1.8V
- MIPI interface
- Low power consumption
- Cable size: 1.8mm OD
- Cable length: 1M (up to 4M)

Application Example

- Inspection device
- Endoscope

Connector

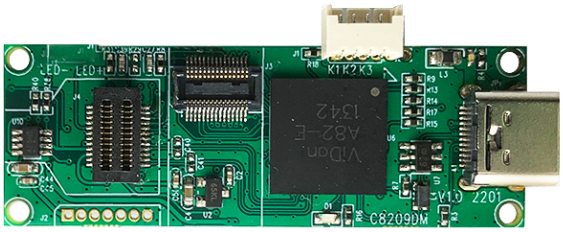
24pin B-B connector to fit backend modules. Device ID has been built for back end module identification

Specification

Imager	CMOS imager sensor OV9734
Clock rate	24MHz
Max exposure	798 x T_{row}
Video Output	MIPI
Scan mode	Progressive, max 30fps
Data format	10bit Raw RGB
Picture Element	1280x768pixel
Pixel size	1.4x1.4um
Effective image area	1819.58x1033.34um
S/N Ratio	36.4dB
Dynamic range	68.4dB@16x gain
Operation Voltage	2.8V, 1.8VDC
Power consumption	69mW
Cable	2p + 1C coaxial + 5C wire, OD1.8+/-1mm
Connection	24pin 0.5mm B-B
Tip Dimension	OD3.8mm, L=15mm
Lens specification	FOV: 108deg F/N: 4.0
Working distance	5mm~10mm

Back End Module C8209M

C8209M is USB UVC module, specially designed for interfacing mCam703L2 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
- ✓ Good for some kernel of Linux OS
- ✓ Output 1280x720 pixels at 30fps
- ✓ LED to indicate operation status
- ✓ USB Type-C connector