

General Description

The C8207 is specially designed for micro-camera module, mCam70x series. It has built in a delicate DSP to interface mCam70x camera as well as the USB2.0 transceiver to output compressed video thru USB. It is UVC compatible and no PC driver is required.

Block Diagram



Features

- ✚ Small in size, 57x15mm
- ✚ USB2.0 UVC device
- ✚ Plug and play, no driver required
- ✚ MJPEG video at 30fps
- ✚ Video size selectable: 1280x720 & 640x480
- ✚ Standby mode when no video streaming
- ✚ Button for color balance
- ✚ Connector to match mCam70x
- ✚ Optional LED power output
- ✚ Low power consumption

Operation

1. Connect mCam70x camera to the module thru 10pin connector.
2. Connect LED connector to camera if LED is available
3. Plug USB cable to PC/NB
4. For first time use, PC/NB will find the camera and install driver at the background. See below the dialog box.



5. Once installation complete, you can use any video viewer software, select the correct device (USB Video Device) to view the real time video. Below is an example of using Amcap.exe.



After color calibration

Calibrate the color balance

1. Under specific lighting condition, place a white paper on a surface.
2. Point the camera to the white paper
3. Press key button for a second, then release, done. Camera will do color balance base on the light condition.
4. If the light condition changes, repeat step 2 to 3 and get the new color balance.