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 : 0.64x0.64x1.2mm
- Resolution: 200x200 pixels
- Operation voltage 3.3V
- Low power consumption
- Cable size: 0.5mm OD
- Cable length: 1M, up to 4M
- Optical center aligned with mechanical center

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 OVM6948
Optical Format	1/36”
Clock rate	4MHz
Max exposure	792 x T_{line}
Video Output	Analog
Scan mode	Progressive
Picture Element	200x200 pixel
Pixel size	1.75x1.75um
Effective image area	364x364um
S/N Ratio	34.4dB
Dynamic range	67.1dB
Operation Voltage	3.3VDC
Power consumption	25mW
Connector	24pin 0.52mm pitch B-B
Tip Dimension	0.64x0.64 mm
Optical Spec	
FOV	120° diagonal
F/No	2.8
Relative Illumination	56.6%
Working Distance	3mm ~ 30mm
IR cut off	665+/-10nm

Back End Module C8209DP

C8209DP is USB UVC module, specially designed for interfacing muC108P 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 400x400pixels at 30fps
- ✓ LED to indicate operation status
- ✓ USB Type-C connector
- ✓ Constant current support external power LED up to 1W