

Dual lens 3D camera module

Introduction

Egismos 3D camera module allow users to collect 2 individual video via 2 independent camera simultaneously. This module complies standard UVC protocol, so you can experience it after using USB cable to connect electronic devices. Users can download application program from Egismos website to manage created video. For windows researchers, you may use DirectShow or opencv for more advanced development work. As Linux programmers, V4L2 is recommended.

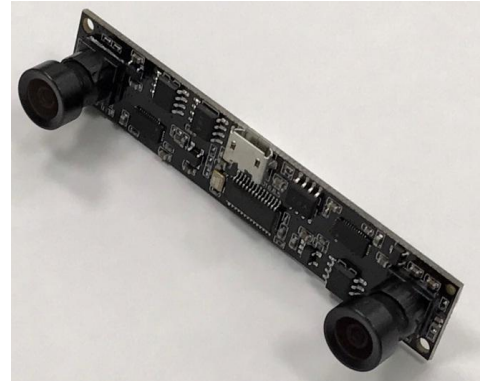


Fig. 1

Features

- Best device to create 3D video
- possible for face recognition

Specification

Lens spec	FOV 90°
Imager sensor	OV9712
Lens size	1/4 inch
Pixels size	3.0 μm * 3.0 μm
Effective Pixels	1280(H) X 720(V)
Effective Pixels	1280 X 720 MJPEG @ 30 fps YUY2 @ 10fps 640 X 480 MJPEG @ 30fps YUY2 @ 30fps 640 X 360 MJPEG @ 60 fps YUY2 @ 30fps
Auto focus	Not yet
Output image format	MJPEG / YUV2 (YUYV)
Signal-to-noise ratio	40dB
Dynamic range	69dB
Sensitivity	3.7V/lux-sec@550nm
Minimum illumination	0.1 lux
USB Protocol	USB2.0 HS/FS
interface	USB2.0 High Speed
Supports drive-free protocol	USB Video Class (UVC)
Operating voltage	DC 5V
Operating current	100mA~120mA
Operating temperature	-10~70°C
Storage temperature	-20~85°C
Support system	WinXP/Vista/Win7/Win8 Linux with UVC (above linux-2.6.26) Wince with UVC MAC-OS X 10.4.8 or later Android 4.0 or above with UVC

