

3D Stereo vision Camera

Description

SOV580 is an stereo vision camera for gesture and skeleton control application on the TV, personal computer, TV gaming box and outdoor banner. The maximum resolution is HD side by side 2560 X 720 pixel. The maximum frame rate is 100 fps in 1280 X 800 resolution. Using standard UVC protocol output. It is easy to design in the embedded and PC include Microsoft Windows, Android and Linux system. Auto exposure and Auto white balance synchronous is good for high performance depth-map.

Function

- Max to HD resolution .
- USB3.0 high speed interface.
- Output format support RAW and YUV.
- Good for indoor and outdoor application.
- No need IR or TOF, low cost.
- AE and AW synchronous.
- Wide angle lens and big Fno.
- Middleware software support OpenNI.
- Small size mm.

Specification

Sensor:

OmniVision OV9714

Optical format:

1/4inch

Sensitivity:

3.3 V/lux-sec

Pixel Dynamic range:

73 dB

SNRMAX:

39dB

Video Resolution& Frame Rate:

RAW: (2 SENSORS OUTPUT)

1280X800 @60FPS

YUV: (2 SENSORS OUTPUT)

1280X480 @ 100FPS

1920X720 @ 60FPS

2560X720 @ 60FPS

Image side by side

interface:

USB3.0

Lens:

Effective focal length

1.830mm

Fno: 2.4

CRA <28.4

TV distortion: 9.5%

Component: 3P + IR

Angle Field of view:

Diagonal: 108.9

Vertical: 69.2

Horizontally: 97.6

Video Format:

RAW and YUV

Input Power:

DV 5V, 500mA

Dimensions / Weight:

180 X 15 mm, 50g

Dimension

