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eYs3D Stereo Camera - EX8036

● SEN-14725

| DESCRIPTION | INCLUDES | **FEATURES** | DOCUMENTS |

- Controller: eSP870U
- Horizontal FOV: 100°
- Vertical FOV: 67.5°
- Resolution: 2560 x 960
- Frame Rate: 90FPS
- IR pattern Illuminator Wavelength: 850nm +/-10 nm
- IR pattern Illuminator Number of Features: >6,700
- Lens: AS133 by Calin
- Image Sensor: AR0135 by ON Semiconductor
- USB Bus Power: 5V/800mA by USB3.0; 5V/500mA by USB2.0
- PC Connection: USB3.0 & USB2.0
- Power Voltage: 5V
- Operating Current With Patterned IR Illuminator: 350-900mA in 720p @ 60FPS
- Operating Current Without Patterned IR Illuminator: 350mA in 720p @ 60FPS
- Suspend Current: 2.52mA

Tags

CAMERA DEPTH EAP87606A ETRON EYS3D IMAGING INFRARED IR SENSOR STEREO CAMERA

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eYs3D Stereo Camera - EX8036 Product Help and Resources

| **VIDEOS** | SKILLS NEEDED |

▶

Product Showcase: eYs3D Stereo Camera

NOVEMBER 15, 2018

| **COMMENTS** 12 | REVIEWS 0 |

Comments

⚙ Looking for answers to **technical questions?**

We welcome your comments and suggestions below. However, if you are looking for solutions to technical questions please see our **Technical**

Member #1577493 / about 2 months ago / ★ 1

I bought this product, but where should I download the viewer? There is no download link in the box.

CF / about a month ago / ★ 1

The paper in the box has a FTP site to visit along with a username and password. You need to visit that FTP site and log in with the username and password on the paper to download files for this product.

Member #331485 / about a year ago / ★ 1

Can I set the depth range that I want to sense distance? For example can I set it so that the full color depth range falls within distance say between 2 and 3 feet from the camera, meaning the depth range to be sensed is only one foot of depth?

Member #1462217 / about a year ago / ★ 1

Yes, the software tool comes with this feature. You can set the color depth display range between 12.5 cm to 1638.4 cm (~ 0.4 ft to 54 ft) or anything in between. In your case, you can set the range from 61 cm to 91 cm, approx (2 to 3 ft).

lgrfbs / about a year ago / ★ 1

Can this camera be used in a 3D scanner?

Member #1462217 / about a year ago * / ★ 2

This camera output with depth+color information which is possible for 3D scanner application.

Chinwah / about a year ago / ★ 1

Appears that the data sheet is incorrect for this module. Mechanical drawings and pictures in the data sheet dont match the Sparkfun pictures.

Member #1462217 / about a year ago * / ★ 2

The correct datasheet has updated, thanks!

Member #115158 / about a year ago / ★ 1

What are the approximate close and far limits on the depth sensing range?

Member #1462217 / about a year ago * / ★ 2

The close limit is around 15 cm. Depth accuracy <3% within 1 M or <10% within 3.5 M depends on system requirement.

Member #310431 / about a year ago / ★ 1

Is it waterproof?

xtopher / about a year ago / ★ 2

Unfortunately, this camera is *not* waterproof.

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