Manuals+ — User Manuals Simplified.

Vzense DCAM560C ToF Time-of-Flight Camera User Guide

Contents

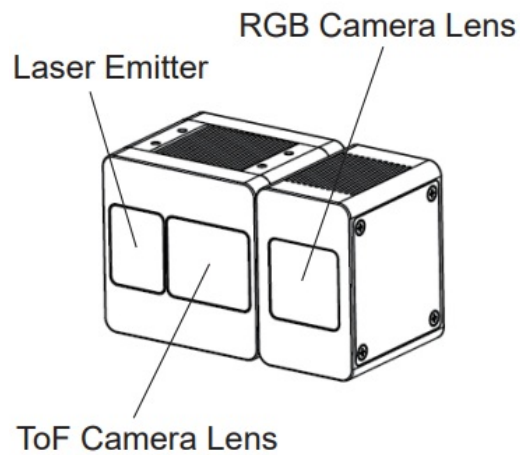**Vzense DCAM560C ToF Time-of-Flight Camera**
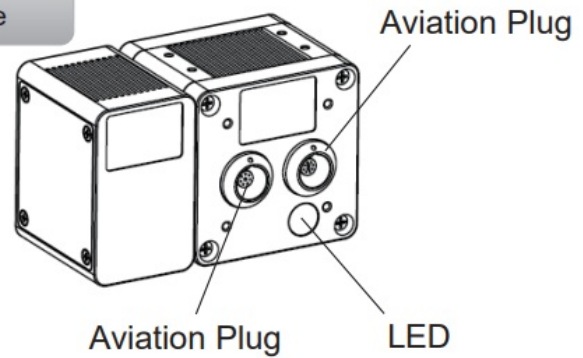
Hardware Connection

1. Connect the camera to your host processor via the ethernet cable
2. Supply 12-24V DC power to DCAM560C Pro via the multi-functional cable, to DCAM560C Lite via the DC cable
3. Set the host processor's IP address in the same segment as the camera's (Default camera's IP address is 192.168.1.101, you can change it via VzenseConfigTool)
4. Run VzenseUTool, scan and connect the device
5. Explore the device via VzenseUTool, referring to Vzense_UTool_User_Guide

Note: DCAM560C Pro supports PoE+ working mode. PoE+ injectors recommendation: EWPAM2NPoE+ from H3C; TL-PoE+170S from TP-LINK
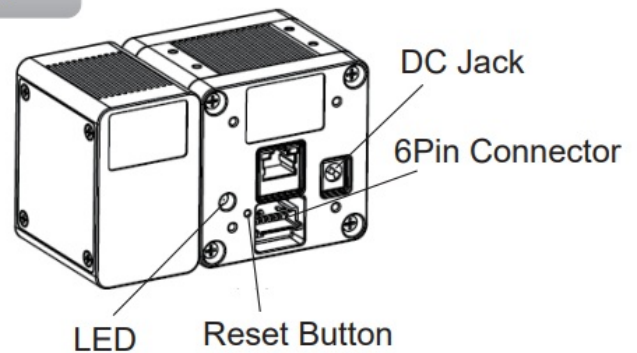
Get to know your DCAM560C

Laser Emitter

RGB Camera Lens

ToF Camera Lens

DCAM560C Pro Backside

Aviation Plug

Aviation Plug

LED

DCAM560C Lite Backside

DC Jack

6Pin Connector

LED

Reset Button

Blue LED blinking: Power on, waiting for connection
Blue LED on: Connected

Download Link

- https://github.com/Vzense (For worldwide users)
- https://gitee.com/Vzense (For users in China)

From the links above, you can download:

- SDK(C/C++, ROS SDK, Python Wrapper included)
- VzenseUTool and Vzense_UTool_User_Guide
- VzenseConfigTool and
- Vzense_ConfigTool_User_Guide
- More documents could be downloaded from our website: https://www.vzense.com

Specification

	DCAM560C Pro	DCAM560C Lite
Technology	ToF (Time-of-flight) Depth Camera	
Depth Sensor Resolution and Frame Rate	640 x 480(VGA)@30fps	
Output Formats	Depth & IR Map (RAW12)	
Depth Sensor Field of View	H-69°, V-51°	
RGB Sensor Resolution and Frame Rate	1600 x 1200@30fps	
RGB Sensor FOV	H-77°, V-55°	
Use Range	0.16m 6m	
Accuracy	<1%	
Power Consumption	Average 7W working in range 5	
Illumination	940nm, 2 x 2W VCSEL	
Dimension(LxWxH)	105mm*65mm*64.6mm	105mm*65mm*60mm
Weight	550g	520g
Power Supply	PoE+ or DC power	DC power
Interface	Gigabit Ethernet and RS485	
Working/Storage Temperature	-20ºC-50ºC/-30ºC-70ºC	
Software	C/C++ SDK	
Operation System	Windows 7/8/10, Linux, Arm Linux	
Eye Safety	Class 1	
Enclosure Rating	IP67	IP42

Support

Still, need help?

- You could send us an email: or reach out to our technical support team by email: at **info@vzense.com**, we will make sure all inquiries will be responded to within 24 hours.
- Or leave us a voice message by calling to +1(650)336-8158.

Want more product information?

- Welcome to visit our website to learn more products.
- We launch new products every 6 months.

Need customized design?

- Yes, we are specialized in whole system customization design.
- **Free consulting and meetings could be scheduled by sending us an email: info@vzense.com**

What's inside

- DCAM560C Pro
- an ethernet cable (Aviation plug to RJ45)
- a multi-functional cable (Aviation plug)
- a Quick Start Guide

DCAM560C Lite

- an ethernet cable
- a DC cable
- a 6pin multi-functional cable
- a Quick Start Guide

LASER SAFETY

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated May 8, 2019.

FCC

- This device complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This Class B digital apparatus complies with Canadian ICES-003.

1 YEAR WARRANTY

- We want to ensure you have the best product and service, if you are not satisfied with our product, please contact us within 7 days since the date of your purchase or receiving and we will refund you after product is shipped back to us. In case you encounter defective product, you could return product to us for repair or exchanging of a new one, when you inform us no later than one month after 1 year warranty period expires.

Please visit our website for more info

- **www.vzense.com**

- **We will reply your email within 24 hours**
- info@vzense.com
- **Please follow us**

- **Company Name: Qingdao Vzense Technology Co., Ltd.**
- **Address: Room 3303, No. 393 Songling Road, Laoshan District, Qingdao City, China**
- **Website: www.vzense.com**
- **Tel: +86-189-5426-5263(China) +1-650-336-8158(USA)**
- **Service Email: info@vzense.com**
- **MADE IN CHINA**
- www.vzense.com

Documents / Resources

	Vzense DCAM560C ToF Time-of-Flight Camera [pdf] User Guide DCAM560C ToF Time-of-Flight Camera, DCAM560C, ToF Time-of-Flight Camera, Time-of-Flight Camera, Flight Camera, Camera

References

- **Vz Leading Provider of Industrial ToF Cameras and Solutions**
- **Vzense: Boost Your Business With 3D**
- **Vzense · GitHub**
- **Vz Leading Provider of Industrial ToF Cameras and Solutions**

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