Vzense

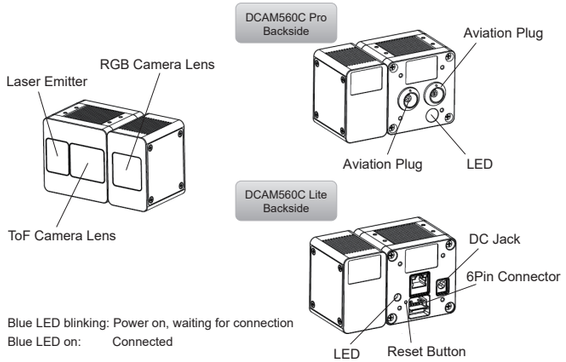
DCAM560C

ToF (Time-of-Flight) Camera
DCAM560C Pro
DCAM560C Lite

Quick Start Guide

www.vzense.com

Get to know your DCAM560C



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

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-77.6°, V-66.4°	
Use Range	0.3m～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

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.

CLASS 1 LASER PRODUCT
IEC 60825-1:2014

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.

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

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++ and ROS SDK 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

Support

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

Want more products information?
Welcome to visit our website to learn more products.
We launch new products each 6 months.

Need customized design?
Yes, we are specialized in whole system customization design.
Free consulting and meeting could be scheduled by sending us email:
info@vzense.com

Please visit our website for more info

www.vzense.com

We will reply your email within 24 hours

info@vzense.com

Please follow us

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Service Email: info@vzense.com

ISO 9001 QUALITY ASSURANCE
RoHS COMPLIANT
CE FC
MADE IN CHINA

Vzense

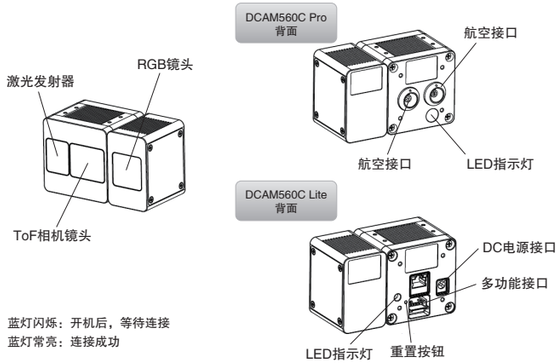
DCAM560C

ToF (Time–of–Flight) 深度相机
DCAM560C Pro
DCAM560C Lite

快速使用指南

www.vzense.com

了解相机DCAM560C



蓝灯闪烁：开机后，等待连接
蓝灯常亮：连接成功

性能参数

型号	DCAM560C Pro	DCAM560C Lite
传感器	TOF CCD + RGB	
激光发射器	940nm VCSEL x 2	
TOF分辨率帧率	640*480，最大30fps	
TOF FOV	标准品69°(H)*51°(V)（可定制大角度）	
RGB 分辨率帧率	1600*1200, 30fps	
RGB FOV	77.6°(H) * 66.4°(V)	
输出格式	RAW12(深度, IR) + RGB	
接口	1000M Ethernet & RS485	
供电方式	PoE+ 或 12V~24V(DC JACK)	12V~24V(DC JACK)
功耗	Range 5工作模式下，平均功率7W	
精度误差	<1%	
检测距离	0.35 ~ 6米	
工作温度	–20℃–50℃	
操作系统	Windows/Linux	
防护等级	IP67	IP42

所含附件

DCAM560C Pro

- ☑ 一根以太网线
- ☑ 一根多功能线
- ☑ 一份中英文说明书

DCAM560C Lite

- ☑ 一根以太网线
- ☑ 一根电源线
- ☑ 一根多功能线
- ☑ 一份中英文说明书

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CLASS 1 LASER PRODUCT
IEC 60825-1:2014

操作指南

1. 通过以太网线将相机连接至主机
2. 通过多功能线给DCAM560C Pro提供12–24V电源；
   通过电源线给DCAM560 Lite提供12–24V电源
3. 设置主机IP地址与相机在同一网段（相机的默认IP地址是192.168.1.101，
   用户可以通过*VzenseConfigTool*更改相机的IP地址）
4. 运行*VzenseUTool*，扫描并连接相机
5. 参考*Vzense_UTool_User_Guide*，使用*VzenseUTool*探索相机

备注：DCAM560C Pro支持PoE+供电模式，推荐的PoE+供电模块：
EWPAM2NPoE+（H3C）
TL–PoE+170S（TP LINK）

下载链接

用户可以通过*https://gitee.com/Vzense*下载：

– SDK(包含C/C++及ROS SDK)

– *VzenseUTool*与*Vzense_UTool_User_Guide*

– *VzenseConfigTool*与*Vzense_ConfigTool_User_Guide*

更多材料下载可以参考官方网址：

https://www.vzense.com

联系我们

方式一：发送邮件至官方邮箱：info@vzense.com

方式二：拨打电话：189–5426–5263

方式三：添加客服微信

售后服务

本产品享受一年的质保服务，自开具发票之日起计算。
在使用过程中，请注意以下几点：
请勿损坏或去除产品上的标签；
请勿拆解产品外壳，否则产品可能会被损坏；
请防止任何物体进入产品，否则产品可能会被损坏；
请避免在强磁环境下应用产品；

官方公众号

ISO 9001 QUALITY ASSURANCE
本企业通过
ISO9001认证

公司名称：青岛维感科技有限公司
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联系邮箱： info@vzense.com

RoHS COMPLIANT

MADE IN CHINA