Vzense

DCAM550-P

ToF (Time-of-Flight) Camera

Quick Start Guide

www.vzense.com

Get to know your DCAM550-P

Laser emitter

ToF Camera Lens

RJ45

DC Jack

6Pin Connector

LED

Reset Button
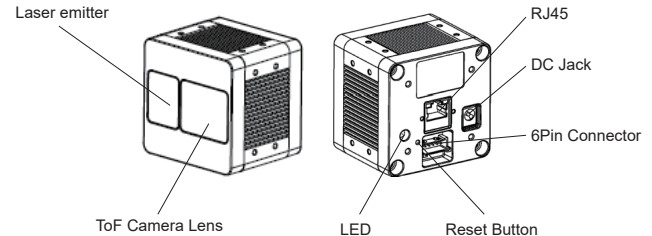
Blue LED blinking: Ethernet Broadcast, no connection
Blue LED on: Ethernet connected

Specification

Depth Sensor Resolution and Frame Rate:	640x480(VGA) @ 30fps
Output Format(Depth):	Depth & IR Map (RAW12)
Depth Sensor Field of View:	H-69º, V-51º
Work Range:	0.35m~6m
Accuracy:	<1%
Power Consumption:	Average 5W working in range 5
Illumination:	940nm VCSEL x 2
Dimension(LxWxH):	65mm x 65mm x 52.7mm
Weight:	279g
Power Supply:	PoE+/DC 12V~24V
Interface:	Ethernet and RS485
Working/Storage Temperature:	-20ºC~50ºC/-30ºC~70ºC
Operation System:	Windows 7/8/10, Linux, Arm Linux
Compliance:	CE, FCC, FDA, Safety EN 60825-1:2014
Laser class	Class 1 eye-safe

What's inside

☐ an ethernet cable (3meters)

☐ a power cable (2meters)

☐ a 6pin multi-functional cable (1meter)

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 PC via the ethernet cable
2. Supply 12-24V DC power to the camera via the DC cable
3. Set the camera's IP address in the same segment as the host PC
   (Default IP address of the camera is 192.168.1.101, you can change the
   camera's IP address from *VzenseConfigTool*)
4. Run *VzenseUTool*, scan and connect the device
5. Explore the device via *VzenseUTool* and *VzenseConfigTool*, referring to
   Vzense_UTool_User_Guide and Vzense_ConfigTool_User_Guide

Note: DCAM550-U 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 also have industrial
grade DCAM560C ToF+RGB industrial grade cameras, and more coming
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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ISO 9001 QUALITY ASSURANCE
RoHS COMPLIANT
CE FC
MADE IN CHINA