

Vzense 3D TOF RGB-Depth Camera DCAM560C

Vision**Systems**
DESIGN
**2022 Innovators
Awards**
BRONZE HONOREE



机器视觉产业联盟
China Machine Vision Industry Union



DCAM 560C Pro



DCAM 560C Lite

Here is the RGB-depth camera from Vzense, a professional ToF solution provider.

Vzense DCAM560C provides an RGB image with a depth associated with each pixel, encouraging the communities of computer vision and computer graphics to explore novel solutions to solve or simplify many challenging tasks, such as object detection, scene parsing, pose estimation, visual tracking, semantic segmentation, shape analysis, image-based rendering, and 3D reconstruction.

Key Features

- Low computing loading, real-time data
- 2MP resolution RGB, Global shutter
- Matched 640x480 pixels depth image and 1600x1200 pixels RGB image
- Works perfectly in extreme sunlight or darkness
- Gigabit Ethernet and RS485 interfaces
- IP67 and aviation plugs option available
- Full SDK (Python wrapper & ROS plugin included) available

Applications

- Automation
- AMR & AGV
- Surveillance & Security
- 3D mapping
- Robotics
- indoor navigation
- Object scanning
- Agriculture automation



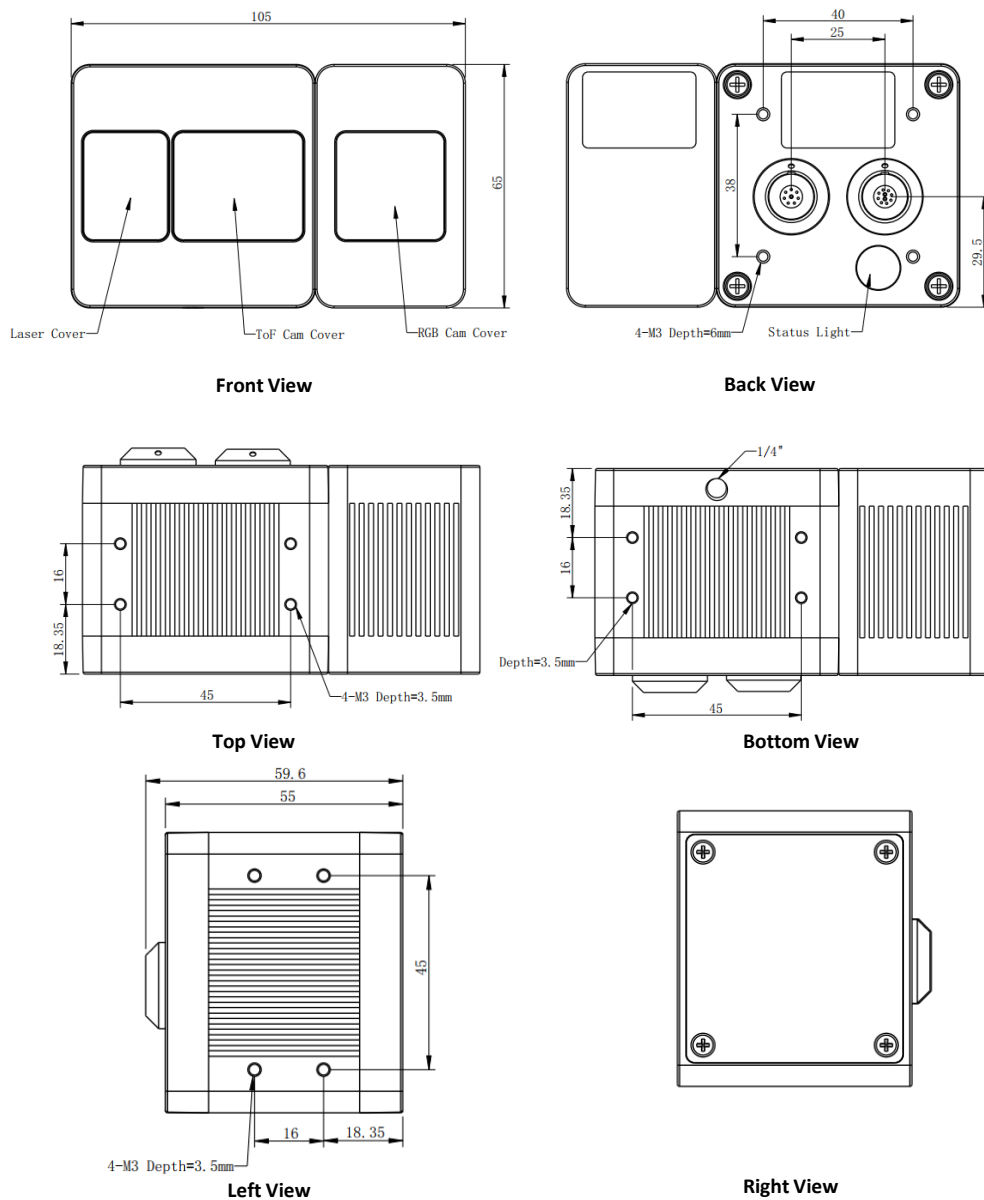
Technical specifications

Model	DCAM560C Lite	DCAM560c Pro
Imager	Panasonic TOF CCD+RGB	
Laser	940nm VCSEL *2	
TOF Resolution	640*480, Max.30fps	
RGB Resolution	1600*1200, Global Shutter	
TOF FOV	69° (H) * 51° (V) (customizable, max. 120° (H) *90° (V))	
RGB FOV	77° (H) * 55° (V)	
Output	RGB + Depth RAW12 + IR	
Interface	1000Mbps Ethernet and RS485	
Power Supply	12V~24V DC	12V~24V DC or PoE+
Accuracy	1~2%	
Range	0.16m ~ 6.0m	
Working Temperature	-20°C ~ 50°C	
SDK	Windows/Linux	
IP Protection	IP42	IP67
Conformity	CE,FCC,FDA	

DCAM 560C Pro

DCAM560C Pro is equipped with two M12 connectors at the back of its housing as shown in below figure.

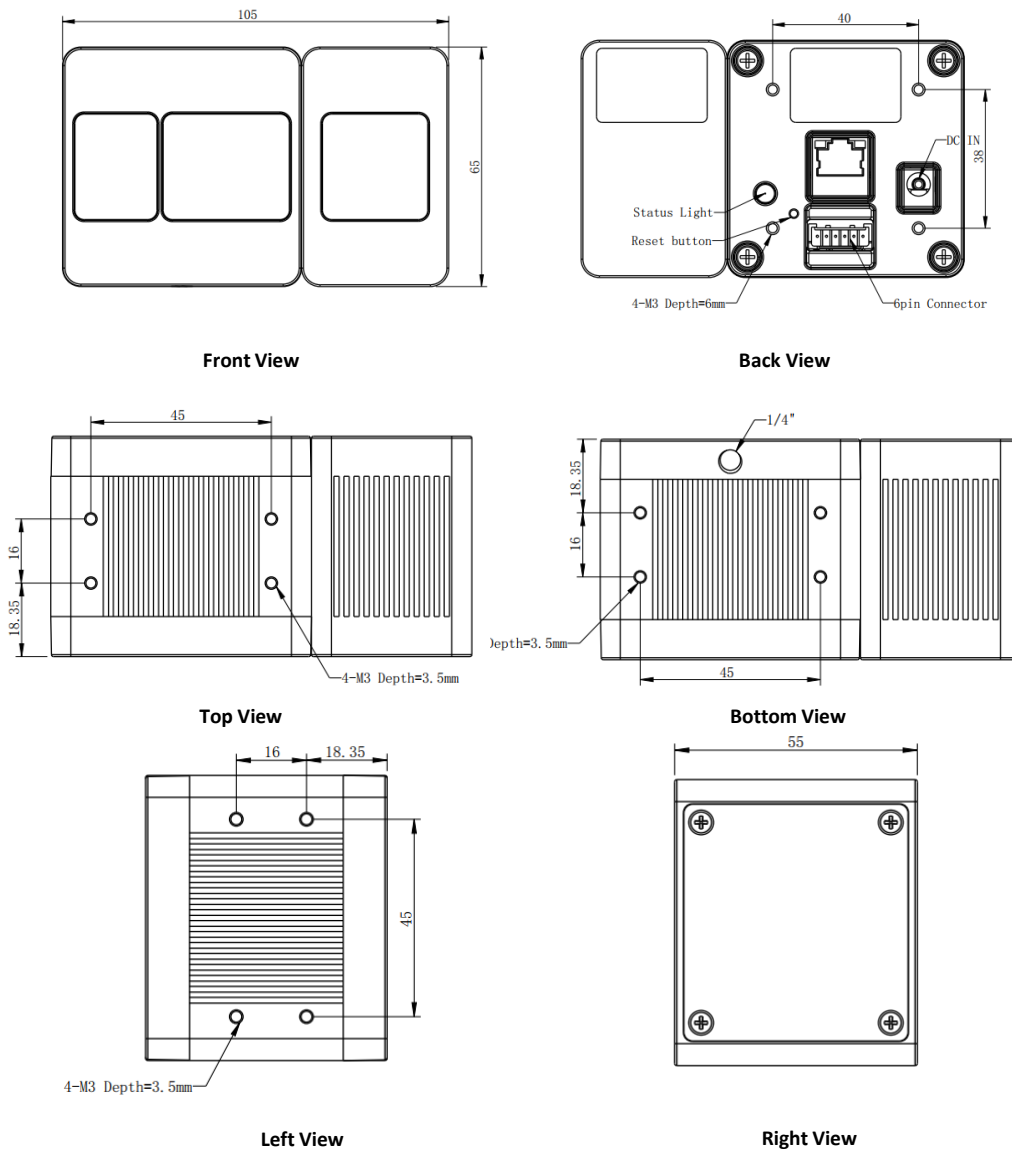
Dimensions(mm)



DCAM 560C Lite

DCAM560C Lite is equipped with RJ45, LED, 6pin connector, IP reset button at the back of its housing as shown in below figure.

Dimensions(mm)



Vzense

ToF sensor & application



About Vzense Technology

Since 2016, Vzense Technology has been continuously pushing the boundaries of TOF sensor development and its application through the projects of global leading customers. Our team has 20+ years of experience in consumer electronics industry and supply chain management. Vzense successfully brought product quality, time of development, cost and advanced AI altogether into our creative products. We shipped over 100 thousand of products to big and small customers in 40+ countries. Our product development and supply chain is based in China and US, engineering service in China, US and EU, resellers in US, EU, and Japan.



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SDK Download:

<https://github.com/vzense>