

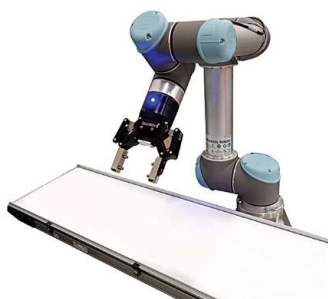


DCAM500 is designed for high performance operation condition in industrial environments. Built for a variety of industrial applications such as robotic obstacle avoidance, automation, cobot handling, pick and place, palletization, size measurement etc.

## Advantages

- **High Revolution**
  - VGA resolution of raw depth data
- **Outdoor Use**
  - Can work under 100K LUX ambient light environment
- **Wide FOV**
  - Up to 120° horizontal FOV with customized service
- **Strong Reliability**
  - -10°C~50°C working temperature environment
  - IP42 encloser

## Application Fields



**Cobot**



**Volume Measurement**



**Palletization**



**Mobile Robot**

# Specification of DCAM500

Parameter	DCAM500
Technology	TOF (Time of flight) Depth Camera
Depth Sensor Format & Frame rate	up to 640 x 480(VGA)@30FPS
Output format	Depth Map(RAW12)
Depth Sensor Field of View H - Horizontal, V - Vertical (degree)	H - 69° (Customizable) V - 51°
Distance Range	0.2m - 6m (Customizable)
Accuracy	<1%
Power Consumption	<5W (Depends on distance)
Power Supply Interface	USB and DC Adaptor 5V~9V
Illumination	In-door 850nm/Out-door 940nm, VCSEL
Dimension (L*W*H)	78mm x 57mm x 23.5mm
Interface	USB2.0, RS232
Algorithm / Software	C/C++ SDK, OpenNI, ROS
Operation System	Android / Linux / Windows7/8/10

<https://www.vzense.com/>