



DCAM800 Lite is an economic version of the industrial grade products. Built for a variety of industrial applications such as robotic obstacle avoidance, automation, cobot handling, pick and place, palletization, size measurement etc.

DCAM800 Lite has industrial grade USB interface, standard RJ 45 Ethernet interface, can be used in many applications.

Advantages

- **High Revolution**
 - VGA resolution of raw depth data
- **Long Distance**
 - Up to 10m with customized service
- **Outdoor Use**
 - Can work under 100K LUX ambient light environment
- **Wide FOV**
 - Up to 100° horizontal FOV with customized service
- **Strong Reliability**
 - -10°C~50°C working temperature environment
 - IP65 enclosure

Application Fields



Cobot



Volume Measurement



Palletization



Mobile Robot

DCAM800 Lite Product Brief

Parameter	DCAM800 Lite
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 - 10m (Customizable)
Precision	1%
Power Consumption	<7W (Depends on distance)
Power Supply Interface	USB2.0 and DC Adaptor 9V~12V
Illumination	In-door 850nm/Out-door 940nm, VCSEL
Dimension (L*W*H)	84mm x 65mm x 46.5mm
Interface	USB 2.0, RS232, 100M Ethernet
Algorithm / Software	C/C++ SDK, OpenNI, ROS
Operation System	Android / Linux / Windows7/8/10

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