

DVC

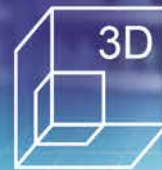
1000

Industrial-grade 3D Vision Camera

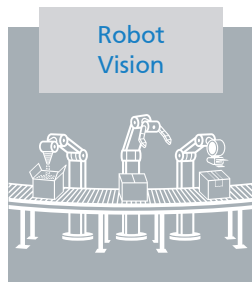
Intel® RealSense™ Technology, IEEE 802.3at PoE, IP67 Protection, Rugged



OBJECT: CHIPS
 MEASUREMENT: 50(L)x170(W)x230(H)mm
 SEARCH: COMPLETE



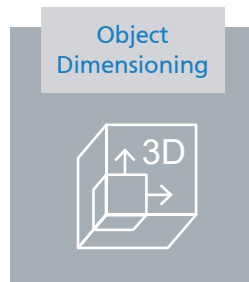
- Powered by Intel® RealSense™ Technology, delivers intuitive, natural interaction and immersion with advanced stereo image sensing technologies for vision-based applications.
- IEEE 802.3at PoE (Power over Ethernet) compliant, supports easy solution deployment and system installation.
- Flexible supports 12V DC or IEEE 802.3at PoE+ (25.5W/48V) Power Input
- Rugged and Fanless design, IP67 Protection



Robot Vision



Autonomous Mobile Robot



Object Dimensioning



Intelligent Surveillance



intel
 REALSENSE™



Vecow

Alcom
 electronics

Specifications

Depth Module

Technology	Active Stereoscopic
Working Distance	It may vary for calibration, scene, and lighting condition. - Max : 10 meters - Min : 0.105 meters
Resolution	1280 x 720/640 x 480/480 x 270/424 x 240
Frame Rate	Up to 60 fps
Shutter Type	Global Shutter
FoV (H x V x D)	87°±3° x 58°±1° x 95°±3° @HD Resolution
Z Accuracy	≤ 2%, up to 2 meters and 80% of FoV (It may vary with distance.)
Depth Sensor	OmniVision OV9282

RGB Module

Resolution	1280 x 720/640 x 480/424 x 240
Frame Rate	Up to 60 fps
FoV (H x V x D)	69.4° x 42.5° x 77°(± 3°)
Color Sensor	OmniVision OV2740

Illumina on

Type	Infrared
Wavelength	850nm

Power

Input	- DC 12V - PoE* (25.5W/48V) (Compliance IEEE 802.3at PoE*)
Interface	- PoE : RJ45 (Lockable connector) - DC 12V : A-coded M12

Network

LAN	10/100/1000 Ethernet, IEEE 802.3at PoE supported
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Software Support

OS	- Host : Ubuntu 16.04 - Client : Window 10, Ubuntu 16.04
SDK	Intel® RealSense™ SDK 2.0

Mechanical & Environment

Dimensions	112.6mm x 106.6mm x 43.0mm (4.43" x 4.42" x 1.69")
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 70°C
Mounting	Tripod
EMC	CE, FCC
IP Rating	IP67

Order Information

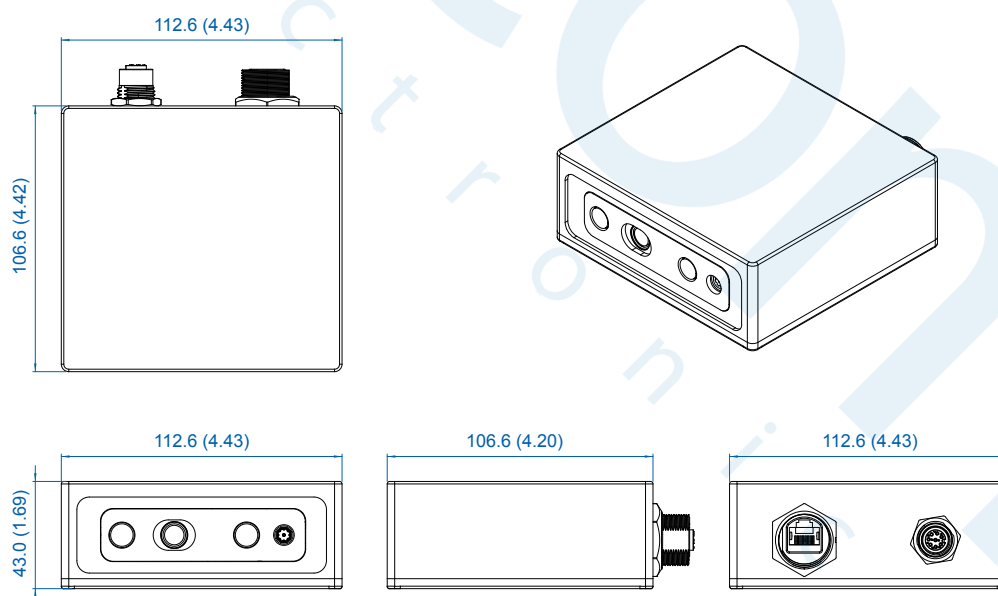
Model	Description
DVC-1000	Industrial-grade 3D Camera powered by Intel® RealSense™, PoE/M12 Power input, 12V DC

Accessories

Lockable External PoE/LAN Cable (61-1C10808-151)	Lockable external PoE/LAN Cable, 1.5M Length
M12 External Power Input Cable (61-1C20403-001)	DVC-1000 M12 to 3 Pin terminal block external power input cable

Dimensions & Drawing

Unit : mm (inch)



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