



Digitized Automation for a Changing World

Delta 3D ToF Smart Camera DMV-T Series

Delta's 3D ToF Smart Camera DMV-T integrates imaging, sensing and computing functions in a compact design. With ambient light immunity, the DMV-T processes the image data in real time with a built-in dual-core CPU and provides quality images and accurate 3D depth information in millimeters.

Combined as an integrated solution pack, the DMV-T and the machine vision software DIAVision achieve precise measurement, recognition, and positioning for various applications such as object detection and robot vision.

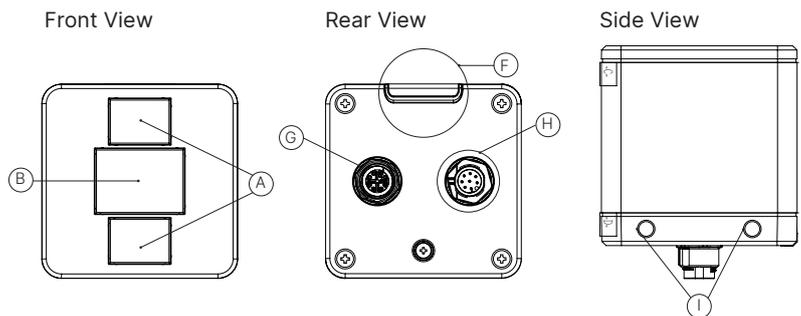
Key Features

- 60fps high-speed video capture
- 640 x 480 high resolution
- 6m of best working range
- A built-in Arm Cortex-A53 dual-core CPU
- Comes with GenICam interface and supports GbE PoE
- Complies with IP67 protection and IEC vibration standards

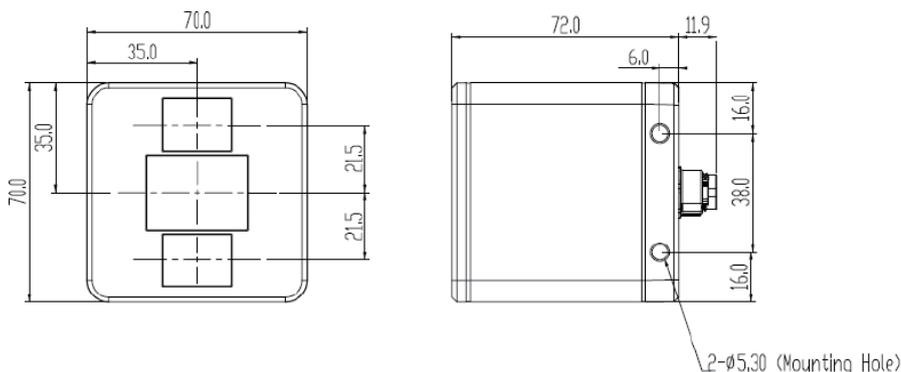


Product at a Glance

No.	Name
A	VCSEL
B	Lens
F	LED indicators
G	X-CODE connector
H	A-CODE connector
I	Installation hole (Screw M5)



Dimensions



Accessories

A-Code Cable P/N	Cable Length
DMV-CAFM5ML8	5,000 ± 5% mm
DMV-CAFM15ML8	15,000 ± 5% mm

X-Code Cable P/N	Cable Length
DMV-CAFM5MG6	5,000 ± 5% mm
DMV-CAFM15MG6	15,000 ± 5% mm

Specifications

Model	DMV-TI300GSM		
Sensing Technology	iToF (indirect Time of Flight)		
Resolution (Pixel)	640 × 480		
Sensor	Sony IMX556 ToF image sensor		
Pixel Size (μm)	10		
Frame Rate (fps)	60		
LD Wavelength (nm)	850		
FOV	67° × 51°		
Unambiguous Range	Single Frequency: 1.5m, 1.875m, 2m, 3m, 4m, 5m	Dual Frequency: 6m, 7.5m, 8m	
Recommend Working Range (m)	6		
Recommend Target Reflectance	20% ~ 90%		
Accuracy	< 1%		
Distance Resolution (mm)	1		
Exposure Range	1μs ~ 1ms		
CPU	Dual Cortex-A53 1.2GHz		
Memory	2GB		
Storage	8GB		
OS	Linux		
Interface	10/100/1,000Mbps Ethernet, GigE Vision 2.0 Compliant		
I/O	Opto-isolated input × 2 Opto-isolated output × 2	Isolated input common ground × 1 Isolated output common ground × 1	DC power in × 1 DC power ground × 1
LED Indicator	Power (Green) × 1 Status (Green/Red/Orange) × 1	User Defined (Green) × 1 User Defined (Red) × 1	
Power Supply	PoE: IEEE 802.3bt	DC: 24V ± 10%	
Power Consumption	Typical: 15W	Peak: 40W	
Connection	M12 X-Code Ethernet connector × 1	M12 A-Code 8 pin I/O connector × 1	
Dimensions (L × H × W) (mm)	72 × 70 × 70		
Weight	500g		
Certification	IP66, IP67, CE, KC, UL		
Eye safety	Class I		
Temperature	Storage: -40° to 85° C	Operating: 0° to 45° C	
Vibration	IEC60068-2-6, 5Hz ≤ f ≤ 8.4Hz; single amplitude: 3.5mm, 8.4Hz < f ≤ 150Hz; Acceleration: 1G		
Shock	IEC60068-2-27 half-sinusoid; Acceleration: 15G; 3 axis 6 direction; per 3 times		

Industrial Automation Headquarters

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