



LEOPARD IMAGING INC

LI-DS5-OV9281-ST

Data Sheet

Key Features

- 2nd Generation Stereo Depth Camera
- 2nd Generation dedicated Intel® RealSense™ Vision Processor with advanced algorithms
- USB 3.0 Super Speed support
- UVC compliance
- Dual Camera
- Global shutter
- Depth stream supported
- Baseline: 80mm
- M12 Lens: FOV H 90°
- USB Connector: Type C
- Camera size: 122mm x 34mm
- Customization upon request
- Weight: 162 g
- Part#: **LI-DS5-OV9281-ST**



Lens Specification

- Model: BD083
- Focal length: 2.5 mm +/- 5%
- Aperture, F/#: 2.8 +/- 5%
- FOV (H): 90 °
- TV Distortion: -16.7 %

Applications

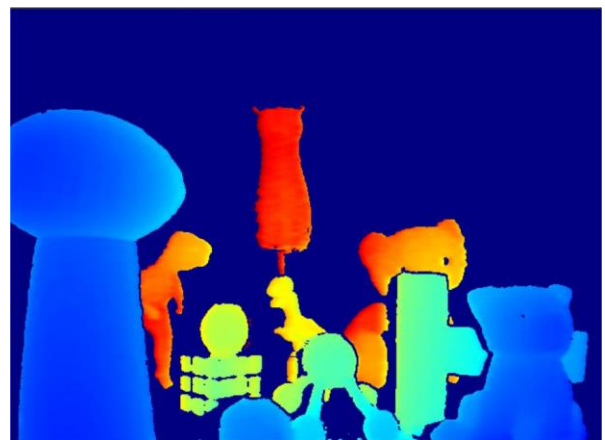
- Drones
- Robots
- Home & Surveillance
- Virtual Reality
- PC Peripherals



Leopard Imaging Inc.

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General Behavior	
Video Resolution @ Frame rate	1280 x 720 @ 30 fps
Sensitivity	TBD
Interface (Optical)	
IR cut filter	No
Sensor specification	OmniVision mono 1MP image sensor OV9281
Shutter	Global Shutter
Format	1/4"
Resolution	H:1296, V:816
Pixel size	H: 3 um, V: 3 um
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	TBD
Interface (Mechanical)	
Dimensions	L: 122 mm, W: 34 mm
Weight (with lens)	162 g
Environmental	
Max. temperature (operation)	-30 °C ~ 85 °C (-22 °F~ 185 °F)
Max. temperature (storage)	0 °C ~ 50 °C (32 °F~ 122 °F)
Max. humidity (operation)	20 % ~ 80 %, relative, non-condensing
Max. humidity (storage)	20 % ~ 80 %, relative, non-condensing



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Revision History

Revision	Description	Release Date
1.0	First Release	21. Apr. 2019



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