



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 Cameras
- Global shutter
- Depth stream supported
- Baseline: 80mm
- Lens: FOV 111° horizontal
- IR projector included
- USB Connector: Type C
- Camera size: 116 mm x 34 mm
- Customization upon request
- Weight: TBD
- Part#: **LI-DS5-OV9281-ST**

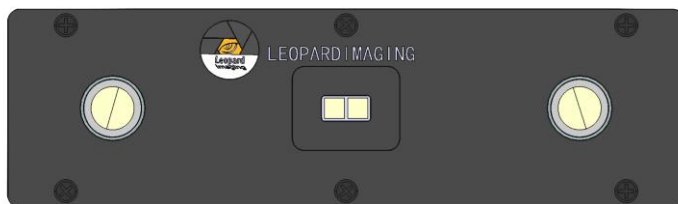


Lens Specification

- Model: JSD2012-A1
- Focal length: $2.09 \pm 5\%$ mm
- Aperture, F/#: $2.6 \pm 5\%$
- FOV (H): 111°
- Distortion: $< -54\%$
- Thread: M7 x P0.35

Applications

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



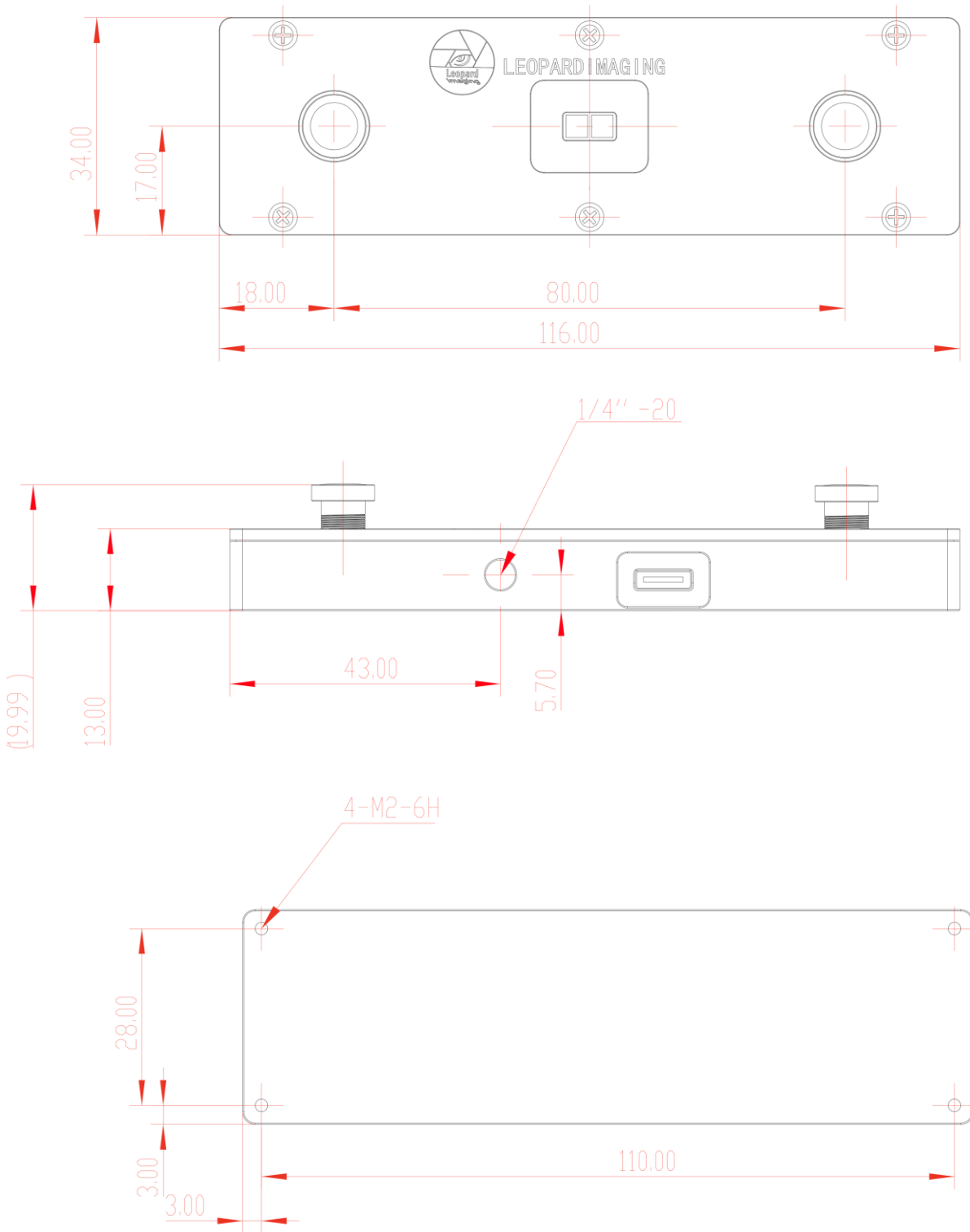
CAUTION: WHEN IN USE, DO NOT STARE AT THE DEVICE OR VIEW DIRECTLY WITHOUT EYE PROTECTION.



Leopard Imaging Inc.

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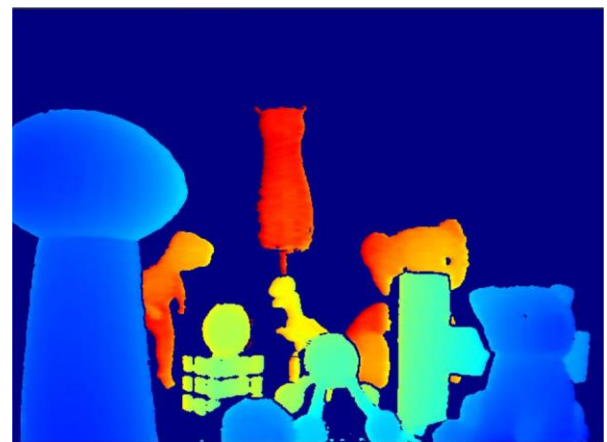
Dimensions



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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: 116 mm, W: 34 mm
Weight (with lens)	TBD
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
1.1	Update the enclosure and lens.	16 Apr 2020
1.2	Update the lens.	27 Apr 2021



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