



LEOPARD IMAGING INC

LI-M10V-360-USB30

Data Sheet

Key Features

- Sony Diagonal 7.857 mm (Type 1/2.3) CMOS Image Sensor IMX477
- Pixel size: 1.55 um x 1.55 um
- Resolution: 3840x1920
- Frame rate: 30fps
- Socionext M10V processor
- USB 3.0 Super Speed supported
- UVC compliance
- Lens: FOV H 180°
- Dual Cameras
- Image stitching supported
- Dewarping supported
- USB +5VDC powered device
- I-PEX cables: FAW-1233-03
- Weight: TBD
- Provide customization services
- Part#: **LI-M10V-360-USB30**



Applications

- 360° camera with De-warping and Stitching

BOM

#	Items	QTY
1	LI-IMX477-MIPI-M12	2
2	L1028KRW lens	2
3	LI-M10V-MB	1
4	LI-M10V-IOB	1
5	FAW-1233-03 (300mm)	2
6	USB3.0 cable	1



Leopard Imaging Inc.

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SPECIFICATIONS

Specifications	
Video Resolution @ Frame rate	3840x1920@30fps
Camera	
Sensor	Sony Diagonal 7.857 mm (Type 1/2.3) CMOS Image Sensor IMX477
Shutter	Rolling
Format	1/2.3"
Resolution	H:4056, V:3040
Pixel size	H: 1.55um, V: 1.55 um
Lens mount	M12 lens mount support
MIPI CSI-2 Interface: <ul style="list-style-type: none"> Part#: 20525-030E-02C Number of Positions: 30 Pitch: 0.4mm Mating cable: FAW-1233-xx 	
Lens	
L1028KRW	<ul style="list-style-type: none"> Part#: L1028JRW Focal length: 1.05mm F/#: 2.8 Built-in 650nm IR cut filter FOV(H): 180° TV Distortion: -96.66% Mount: M12 x P0.5

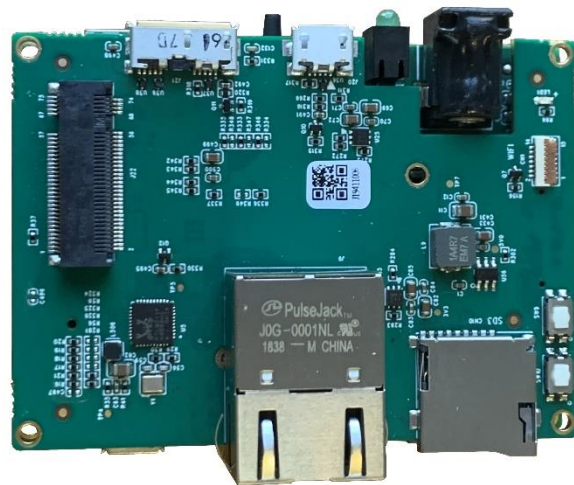
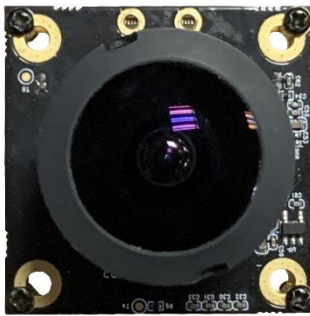


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SPECIFICATIONS

Specifications		
USB 3.0 Interface		
Interface	USB 3.0 Micro-B	
Supply voltage	USB 3.0 +5 VDC power source	
Current consumption	TBD	
Dimensions & Weight		
Dimensions	M10V Kit	L: 70 mm, W: 50mm
	IMX477 board	L: 38 mm, W: 38 mm
Weight (with lens)	TBD	
Adjustment		
Manual	TBD	
Auto	TBD	
Environmental		
Max. temperature (operation)	0 °C ~ 50 °C (32 °F~ 122 °F)	
Max. temperature (storage)	-20 °C ~ 80 °C (-4 °F~176 °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	04. May 2020
1.1	Update the pictures	17. Jun. 2020



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