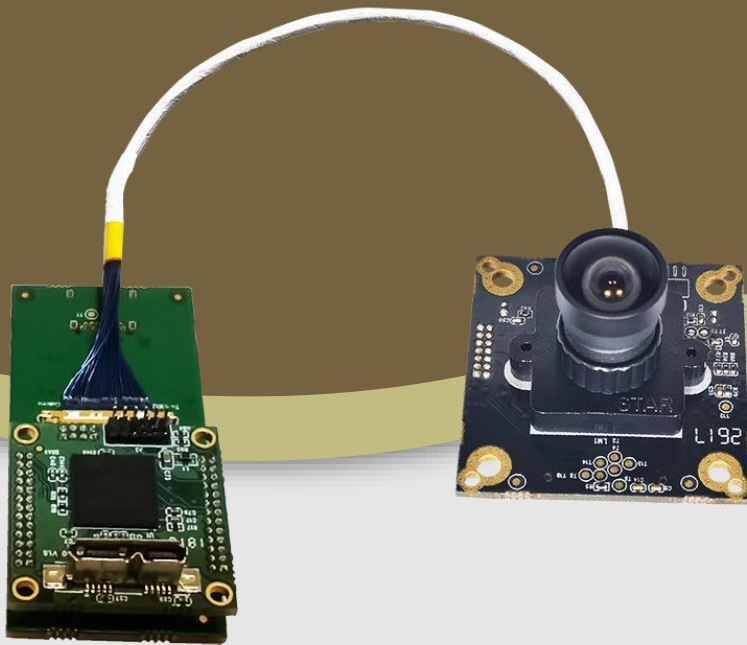




# LI-USB30-IMX274



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## KEY FEATURES

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliant
- Color camera
- Supports M12 (Default) / CS lens
- Allows customization
- USB + 5 VDC powered device
- Part#: LI-USB30-IMX274

## DEFAULT LENS SPECIFICATION

Effective Focal Length	3.25 mm $\pm$ 5%
Aperture, F/#	2.60 $\pm$ 5%
Field of View (FOV)	87.9° horizontal
	56.2° vertical
TV Distortion	< -0.55%
IR Filter	650 nm IR cut filter
Lens Mount	M12 x P0.5

## APPLICATIONS

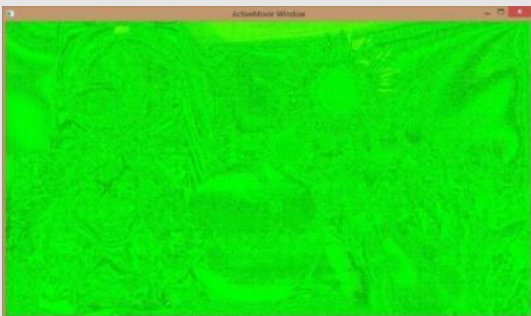
- Machine Vision
- Medical Camera
- Scientific Camera

## SDK SUPPORTED

- Camera Tool Source Code in C#
- Capture & Display
- RAW to RGB Conversion
- Save file as BMP & RAW format
- Color Matrix

## BOM

#	Items	QTY
1	LI-IMX274-MIPI-M12	1
3	LI-USB30 main board	1
4	MIPI adapter board	1
5	FAW-1233-02 (200 mm)	1



RAW data streaming



Camera Tool view mode

## SPECIFICATIONS

Optical Specification	
Sensor	Sony Diagonal 7.20 mm (Type 1/2.5) CMOS Image Sensor IMX274
Optical Format	1/2.5"
Resolution	3864 (H) x 2196 (V) (active pixels)
Pixel Size	1.62 x 1.62 $\mu\text{m}$
Frame Rate	30 fps @ 1920 x 1080
Shutter	Rolling
IR Filter (on Lens)	650 nm IR cut filter
Color / Mono	Color sensor
Operating Temp	-20°C ~ +75°C
Storage Temp	-20°C ~ +75°C
Lens Mount	M12 / CS (Default: M12)
Register Access Function	Supported
Electrical Specification	
Interface	USB 3.0
Power Supply	USB 3.0 + 5 VDC power source
Power Consumption	183 mA @ 5 VDC
Mechanical Specification	
Dimensions	LI-IMX274-MIPI: 38.0 (L) x 38.0 (W) mm
	USB 3.0 MIPI Tester: 56.0 (L) x 26.0 (W) mm
Weight	~ 32 g

## ● REVISION HISTORY

Revision	Description	Release Date
1.0	First release.	25 Dec 2020
1.1	Updated lens information.	03 Mar 2022
1.2	Updated product pic.	04 Apr 2023

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