



LI-USB30-IMX264 Data Sheet

Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- Color camera
- Global shutter
- Support M12 lens
- Provide customization services
- USB +5VDC powered device
- Part#: **LI-USB30-IMX264**

Default Lens Specification

- Focal length: 12 mm
- Aperture, F/#: 2.5
- Built in 650nm IR cut filter
- FOV (H): 37°
- TV Distortion: < -1.2 %
- Mount: M12 x P0.5



BOM

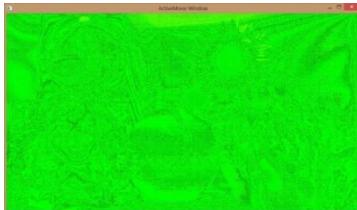
#	Items	QTY
1	LI-IMX264-MIPI	1
2	LI-USB30 Main board	1
3	LI-CSLINK-IPX-TESTER	1
4	FAW-1233-02 (200mm)	1

Applications

- Industrial Applications
- Intelligent Transportation System (ITS) Cameras

SDK Supported

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



RAW data streaming



Camera Tool view mode



Specification

General Behavior		
Video Resolution @ Frame rate	2448 x 2058 @ 15 fps 1936 x 1106 @ 30 fps 1248 x 1038 @ 60 fps	
Bit Depth	12-bit	
Interface (Optical)		
IR cut filter (on lens)	Yes, 650nm IR cut filter	
Sensor specification	Sony Diagonal 11.1 mm (Type 2/3) CMOS Image Sensor IMX264	
Shutter	Global	
Color/Mono	Color	
Format	2/3"	
Total number of pixels	H: 2464, V:2056	
Pixel size	H:3.45 μ m, V: 3.45 μ m	
Lens mount	CS / M12 lens mount support (Default: M12 lens)	
Interface (Electrical)		
Interface	USB 3.0	
Supply voltage	USB 3.0 +5 VDC power source	
Current consumption	TBD	
Interface (Mechanical)		
Dimensions	LI-IMX264-MIPI	L: 38 mm, W: 38 mm
	USB 3.0 MIPI Tester	L: 36.5 mm, W: 2 mm
Mass	32 g	
Adjustment (Manual)		
Shutter	TBD	
Gain	TBD	
Register Access	Yes	
Adjustment (Auto)		
Shutter	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	
Supported OS		
Windows OS, Standard Linux OS and other OS with full UVC drivers		



Revision History

Revision	Description	Release Date
1.0	First Release	06. Apr. 2020
1.1	Deleted lens model info.	11. Aug. 2023



Leopard Imaging Inc.

910 Auburn Ct, Fremont, CA 94538, USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email: sales@leopardimaging.com
Website: www.leopardimaging.com