

Rev. 1.3

Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliant
- Color camera
- Support either CS or M12 lens
- Allows customization
- USB +5VDC powered device
- Compact Size: 26 (L) x 26 (W) mm
- 2 Boards are stacked
- Part#: **LI-USB30-IMX226C**



Default Lens Specification

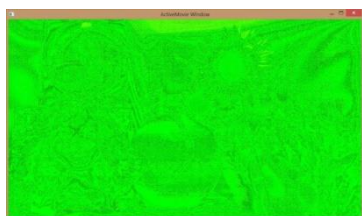
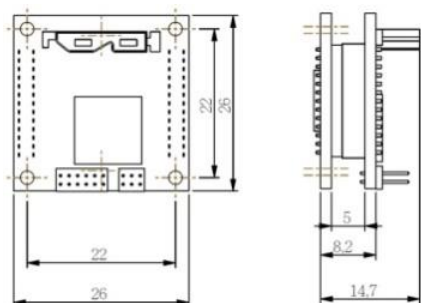
- Image format: 1/1.8"
- Focal length: 5.5 mm
- Aperture, F/#: 1.8
- Built in 650 nm IR cut filter
- FOV (D/H/V): 76° / 64.5° / 51°

Applications

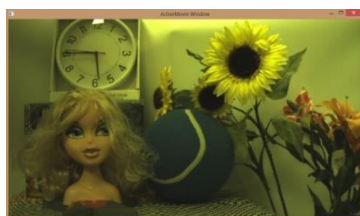
- Machine Vision
- Medical Camera
- Scientific Camera

SDK Supported

- Camera Tool Source Code in C#
- Capture & Display
- OpenCV supported through Emgu
- RAW to RGB Conversion
- Save file as BMP & RAW format
- Color matrix



RAW data streaming



Camera Tool view mode

Specification

General Behavior	
Video Resolution @ Frame rate	4000 x 3000 @ 10 fps
Dynamic range	TBD
Interface (Optical)	
IR cut filter	Yes
Sensor specification	Sony Diagonal 9.33 mm (Type 1/1.7) CMOS Image Sensor IMX226
Shutter	Rolling
Color/Mono	Color
Format	1/1.7"
Total number of pixels	H:4168, V:3062
Pixel size	H:1.85 um, V: 1.85 um
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	Approx. 156 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 26 mm, W: 26 mm, H: 40 mm
Mass	28 g
Adjustment (Manual)	
Shutter	Support
Gain	Support
Adjustment (Auto)	
Shutter	Support
Gain	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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