



LEOPARD IMAGING INC

LI-USB30-P031X

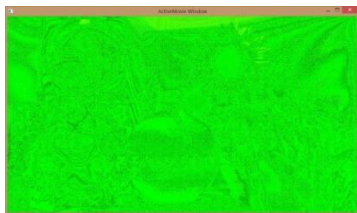
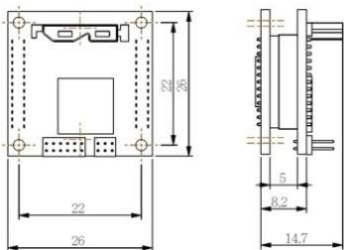
Data Sheet

Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- USB 2.0 backwards compatible
- Support External Trigger, Software Trigger
- Support either CS or M12 lens
- Provide customization services
- USB +5VDC powered device
- Compact Size: 26mmx26mm
- 2 Boards are stacked
- Part#:

LI-USB30-P031C (Color)

LI-USB30-P031M (Mono)



RAW data streaming



Camera Tool view mode



Default Lens Specification

- Model: M13B0618WR5
- Focal length: 6.0 mm
- Aperture, F/#: 1.8
- Built in IR cut filter
- FOV (D/H/V): 75 ° / 57 ° / 42 ° (1/2.5", Full 5M)
- Mount: M12 x 0.5 – 6g

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



Leopard Imaging Inc.

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Specification

General Behavior	
Video Resolution @ Frame rate	2592 x 1944 @ 14 fps 1920 x 1080 @ 30 fps 800 x 600 @ 90 fps 640 x 480 @ 60 fps
Sensitivity	1.4 V/lux-sec
Dynamic range	12 bit
Trigger mode	External Trigger, Software Trigger
Interface (Optical)	
IR cut filter	Yes
Sensor specification	Aptina MT9P031 5M pixels Sensor
Shutter	Rolling
Format	1/2.5"
Resolution	H:2592, V:1944
Pixel size	H:2.2 um, V: 2.2 um
Lens mount	CS / M12 lens mount support (Default: M12 lens)
M12 Lens	6.0 mm (default), 4.2 mm, 2.6 mm Focal Length
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 245 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 26 mm, W: 26 mm, H: 38 mm
Mass	22 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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