

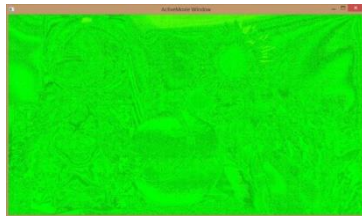
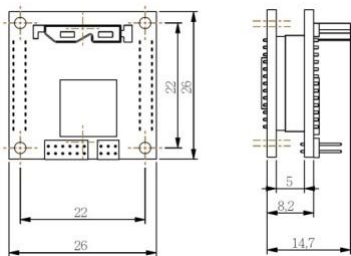


LEOPARD IMAGING INC

Rev. 1.1

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-C570C (Color)
LI-USB30-C570M (Mono)



RAW data streaming



Camera Tool view mode

LI-USB30-C570X

Data Sheet



Default Lens Specification

- Model: N118B05518W
- Image format: 1/1.8"
- Focal length: 5.5 mm
- Aperture, F/#: 1.8
- 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
- Register access
- Color matrix



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Specification

General Behavior	
Video Resolution @ Frame rate	1600 x 1200 @ 60 fps 1280 x 960 @ 30 fps 800 x 600 @ 50 fps 640 x 480 @ 70 fps
Sensitivity	TBD
Dynamic range	10 bit
Trigger mode	External Trigger, Software Trigger
Interface (Optical)	
IR cut filter (on lens)	Yes, 650nm IR cut filter
Sensor specification	e2v EV76C570 2M pixels Sensor
Shutter	Global
Format	1/1.8"
Resolution	H:1600, V:1200
Pixel size	H:4.5 um, V: 4.5 um
Lens mount	CS / M12 lens mount support (Default: M12 lens)
M12 Lens	6.0 mm, 5.5 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. 225 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 26 mm, W: 26 mm, H: 38 mm
Mass	32 g
Adjustment (Manual)	
Shutter	Support
Gain	Support
Adjustment (Auto)	
Shutter	TBD
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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