LEOPARD IMAGING INC

LI-USB30-C570XB
Data Sheet



Applications

- Machine Vision
- Medical Camera
- Scientific Camera

SDK Supported

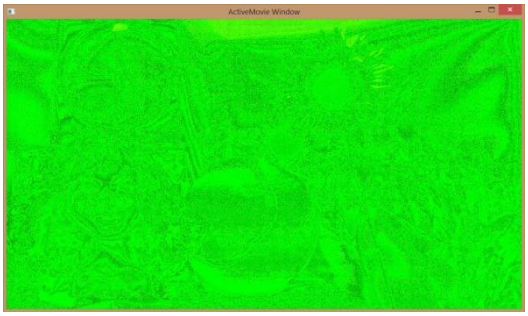
- Camera Tool Source Code in C#
- Capture & Display
- OpenCV supported through Emgu
- RAW to RGB Conversion
- Save file as BMP & RAW format





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 CS lens (Not include Lens)
- Provide customization services
- USB +5VDC powered device
- Part#:
  LI-USB30-C570CB (Color)
  LI-USB30-C570MB (Mono)



RAW data streaming



Camera Tool view mode

Leopard Imaging Inc.

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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	Yes
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 lens mount support
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: 30 mm, W: 30 mm, H: 30 mm
Mass (without lens)	30 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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