



LEOPARD IMAGING INC

LI-USB30-V034MB

Data Sheet

Applications

- Machine Vision
- Medical Camera
- Scientific Camera

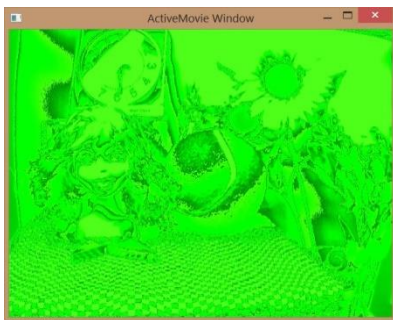
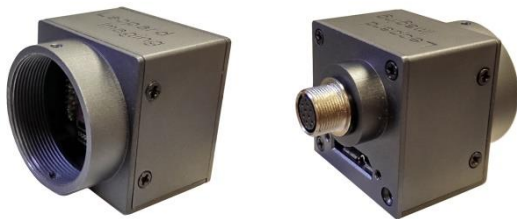


SDK Supported

- 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



RAW data streaming



Camera Tool view mode



Leopard Imaging Inc.

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Specification

General Behavior	
Video Resolution @ Frame rate	640 x 480 @ 60 fps 320 x 240 @ 120 fps
Sensitivity	4.8 V/lux-sec
Dynamic range	10 bit
Trigger mode	External Trigger, Software Trigger
Interface (Optical)	
IR cut filter	Yes
Sensor specification	Aptina MT9V034 Global Shutter WVGA Sensor
Shutter	Global
Format	1/3"
Resolution	H:752, V:480
Pixel size	H:6.0 um, V: 6.0 um
Color	Monochrome
Lens mount	CS lens mount support
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 130 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	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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