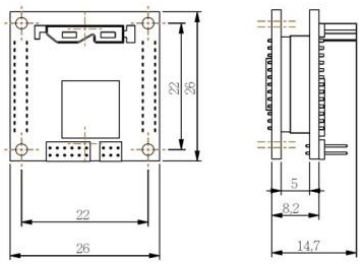
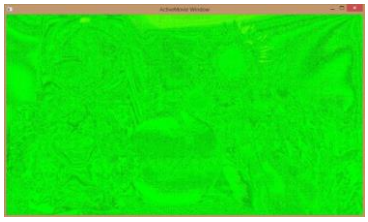
LEOPARD IMAGING INC

LI-USB30-C661X
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-C661C (Color)
  LI-USB30-C661M (Mono)





RAW data streaming

Camera Tool view mode

Default Lens Specification

- Model: N118B05518W
- 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 °
- 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.

1130 Cadillac Ct., Milpitas, CA 95035,USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email:sales@leopardimaging.com
Website: www.leopardimaging.com
www.leopard-security.com

Specification

General Behavior	
Video Resolution @ Frame rate	1280 x 1024 @ 60 fps 640 x 480 @ 65 fps
Sensitivity	TBD
Dynamic range	10 bit
Trigger mode	External Trigger, Software Trigger
Interface (Optical)	
IR cut filter	Yes
Sensor specification	e2v EV76C661 1.3M pixels Sensor
Shutter	Global
Format	1/1.8”
Resolution	H:1280, V:1024
Pixel size	H:5.3 um, V: 5.3 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. 200 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

1130 Cadillac Ct., Milpitas, CA 95035,USA
Phone: +1-408-263-0988
Fax: +1-408-217-1960
Email:sales@leopardimaging.com
Website: www.leopardimaging.com
www.leopard-security.com