



LEOPARD IMAGING INC

Rev. 1.0

# LI-USB30-OV10635B

## Data Sheet

### Overview

Leopard Imaging USB 3.0 camera is new generation super speed USB Video camera which supports more than 3G video bandwidth to stream 720p 30fps video without compression, it provides sharper and high quality images for scientific and medical industries, Global shutter camera can support high speed conveyor line for machine vision application, lossless image quality and low latency streaming is great for video conference camera industry.

### Applications

- Machine Vision
- Medical Camera
- Video Conference
- Scientific Camera



### Key Features

- USB 3.0 Super Speed support
- YUV or RAW data output without compression
- UVC compliance
- USB 2.0 backwards compatible
- Support CS lens (Not include Lens)
- Provide customization services
- Support WDR
- USB +5VDC powered device

### SDK Supported

- Camera Tool Source Code in C#
- Capture & Display



Leopard Imaging Inc.

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# Specification

General Behavior	
Video Resolution @ Frame rate	1280 x 800 @ 30 fps, WDR 1280 x 720 @ 30 fps, WDR 640 x 480 @ 30 fps, WDR
Sensitivity	TBD
Dynamic range	10 bit
Interface (Optical)	
IR cut filter	Yes
Sensor specification	OmniVision OV10635 WXGA HDR Image Sensor
Shutter	Rolling
Format	1/2.7"
Resolution	H:1280, V:800
Pixel size	H:4.2 um, V: 4.2 um
WDR	Support WDR (Wide Dynamic Range)
Lens mount	CS lens mount support
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 300 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 30 mm, W: 30 mm, H: 30 mm
Mass (without lens)	30 g
Adjustment (Manual)	
Shutter	TBD
Gain	TBD
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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