



LEOPARD IMAGING INC

Rev. 1.1

# LI-USB30-V024STEREO

## Data Sheet

### Key Features

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- USB 2.0 backwards compatible
- Dual Camera
- Provide customization services
- USB +5VDC powered device
- Compact Size: 80mmx15mm



### Applications

- Machine Vision
- Medical Camera
- Scientific Camera
- 3-D Gesture Camera



### Default Lens Specification

- Model: HK-8055-J3
- Image format: 1/3"
- Focal length: 2.35 mm
- Aperture, F/#: 2.5
- FOV (D/H/V): 115 °/90 °/65 °
- Mount: M8 x P0.5 – 6g

### SDK Supported

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



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# Specification

General Behavior	
Video Resolution @ Frame rate	640 x 480 @ 60 fps
Sensitivity	4.8 V/lux-sec
Dynamic range	8 bit
Trigger mode	TBD
Interface (Optical)	
IR cut filter	Yes
Sensor specification	Aptina MT9V024 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	M8 lens mount
M8 Lens	2.35mm, 170° DFOV
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 270 mA at 5 VDC
Interface (Mechanical)	
Dimensions (with lens)	L: 80 mm, W: 15 mm, H: 17 mm
Mass	12 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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