



LEOPARD IMAGING INC

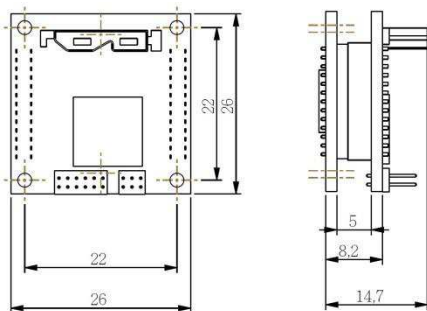
Rev. 1.0

LI-USB30-M114

Data Sheet

Key Features

- USB 3.0 Super Speed support
- YUV output without compression
- UVC compliance
- USB 2.0 backwards compatible
- Provide customization services
- USB +5VDC powered device
- Electronic rolling shutter (ERS)
- Ultra-low-power
- Compact Size: 26mmx26mm
- 2 Boards are stacked



Lens Specification

- Focus range: 60cm to Infinity
- Focal length: 2.54 mm
- Aperture, F/#: 2.8
- Built in 650nm IR cut filter
- TV distortion: < 1%
- FOV (D): 60°

Applications

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

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 720 @ 30 fps (USB3.0) 640 x480 @ 16 fps (USB2.0)
Interface (Optical)	
IR cut filter	Yes
Sensor specification	ON SEMI MT9M114 720p HD Sensor
Shutter	Electronic rolling shutter (ERS)
Format	1/6"
Resolution	H:1296, V:976
Pixel size	H:1.9 um, V: 1.9 um
Color filter array	RGB Bayer
Responsivity	2.24 V/lux-sec(550 nm)
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 118 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 26 mm, W: 26 mm, H: 13 mm
Mass	10 g
Adjustment (Manual)	
Shutter	TBD
Gain	TBD
Brightness	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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