



LEOPARD IMAGING INC

LI-OV3640-USB-AF

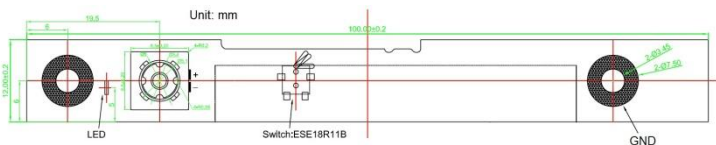
Data Sheet

Key Features

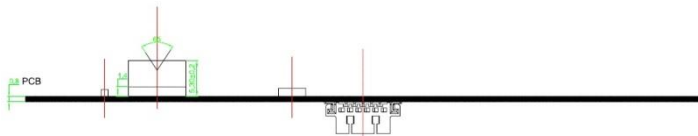
- Support 3M video streaming
- MJPEG compression
- Auto-focusing function
- USB 2.0 compliance
- Size: 100mm x 12mm
- Low cost with high quality
- Customized based on customer's specs



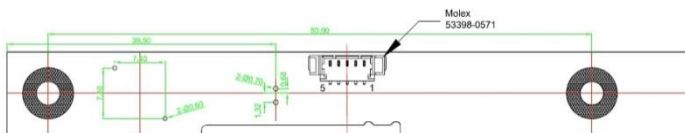
Dimensions



Top View



Side View



Bottom View

Lens Specification

- Focusing Range: 10cm to infinity
- Focal Length: 3.5 mm
- F Number: 2.6
- Fov (H): 65 °
- TV Distortion: <0.3%
- Sensor: OV3640

Interface (Molex: 53398-0571)

5 Pin USB Connector	
Pin No.	Name
1	USB_5V
2	USB_D-
3	USB_D+
4	GND
5	Shield_Ground



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Specification

General Behavior	
Video Resolution @ Frame rate	2048 x 1536 YUV @ 3 fps 1600 x 1200 YUV @ 3 fps 1280 x 1024 YUV @ 4 fps 640 x 480 YUV @ 30 fps 320 x 240 YUV @ 30 fps 2048 x 1536 MJPEG @ 15 fps 1600 x 1200 MJPEG @ 15 fps 1280 x 1024 MJPEG @ 10 fps 1024 x 768 MJPEG @ 30 fps 800 x 600 MJPEG @ 30 fps 640 x 480 MJPEG @ 30 fps 320 x 240 MJPEG @ 30 fps
Adjustment	The following can be adjusted manually: Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, White Balance (default: Auto), Backlight Comp, Gain, Focus (Auto Only), Exposure (default: Auto).
Interface (Optical)	
Sensor specification	OmniVision OV3640 sensor
Shutter	Rolling
Format	1/4"
Resolution	H:2048, V:1536
Pixel size	H: 1.75 um, V: 1.75 um
Interface (Electrical)	
Interface	USB 2.0
Supply voltage	USB 2.0 +5 VDC power source
Current consumption	Approx. 210 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 100 mm, W: 12 mm, H: 6 mm
Mass	3 g
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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