



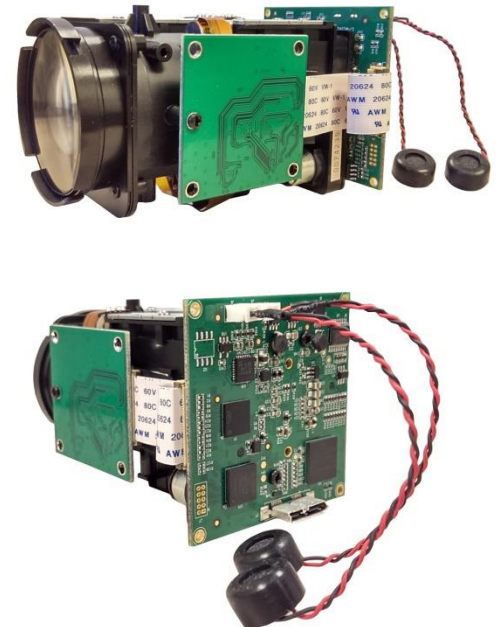
LEOPARD IMAGING INC

LI-M034USB3-AF

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 1080p 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 output without compression
- UVC compliance
- USB 2.0 backwards compatible
- Support Manual 18X Zoom function
- Support Manual Focus function
- Support stereo audio
- Provide customization services
- Dimensions: 90mmx50mmx50mm
- USB +5VDC powered device



Leopard Imaging Inc.

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Specification

General Behavior	
Video Resolution @ Frame rate	1280 x 960 @ 30 fps 1280 x 720 @ 30 fps 768 x 432 @ 30 fps 640 x 480 @ 30 fps 640 x 360 @ 30 fps 352 x 288 @ 30 fps 320 x 240 @ 30 fps
Sensitivity	TBD
Dynamic range	12 bit
Audio	Support stereo audio
Interface (Optical)	
IR cut filter	Yes
Sensor specification	Aptina MT9M034 720p HD Sensor
Shutter	Rolling
Format	1/3"
Resolution	H:1280, V:960
Pixel size	H:3.75 um, V: 3.75 um
WDR	Support WDR (Wide Dynamic Range)
Interface (Electrical)	
Interface	USB 3.0
Supply voltage	USB 3.0 +5 VDC power source
Current consumption	Approx. 520 mA at 5 VDC
Interface (Mechanical)	
Dimensions	L: 90 mm, W: 50 mm, H: 50 mm
Mass	128 g
Adjustment (Manual)	
Shutter	TBD
Gain	TBD
Zoom	TBD
Focus	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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