



LI-AR0821-MIPI-135H



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INTRODUCTION

The LI-AR0821-MIPI-135H is a MIPI CSI-2 camera with OnSemi 8.3MP sensor AR0821 which is high sensitivity, High Dynamic Range with low power consumption. This camera outputs 3848 x 2168 RAW data.

KEY FEATURES

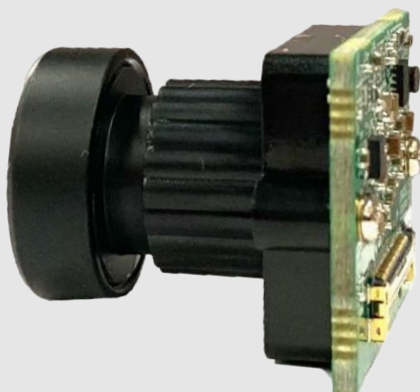
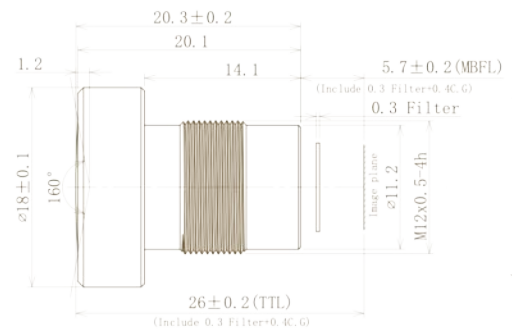
Sensor	OnSemi CMOS Image Sensor AR0821
Optical format	1/2"
Resolution	3848H x 2168V
Pixel size	2.1um x 2.1um
Data format	Raw data
Color/Mono	Color sensor
Master/Slave	Master / Slave Mode
Shutter	Rolling shutter
Lens	FOV H 135°
Interface	4-lane MIPI CSI-2
Connector	20525-030E-02C
Power consumption	756mW
Lens mount	M12- Mount
Operating Temp	-30°C ~ +75°C
Storage Temp	-40°C ~ +80°C
Weight (without lens)	4g +/-1g
Size	26.92mm x 21.44mm
Part#	LI-AR0821-MIPI-135H

APPLICATIONS

- Surveillance cameras
- Industrial cameras

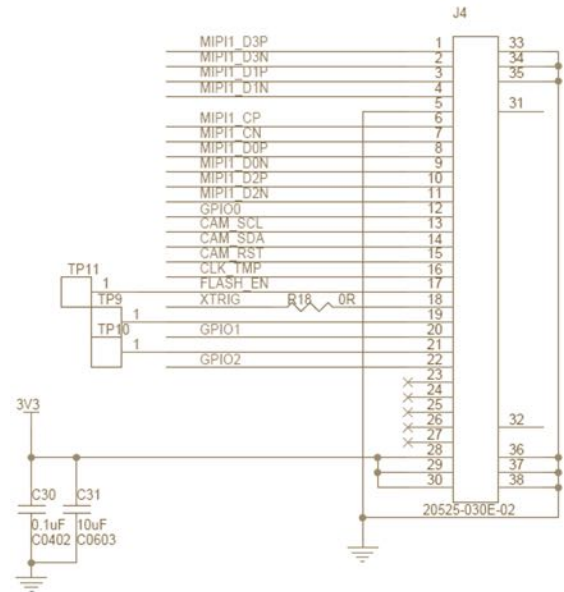
LENS SPECIFICATIONS

Model	E3390A
Focal length	4.0 mm
Aperture, F/#	2.2
FOV (H)	135°
Filter	650nm IR cut filter included

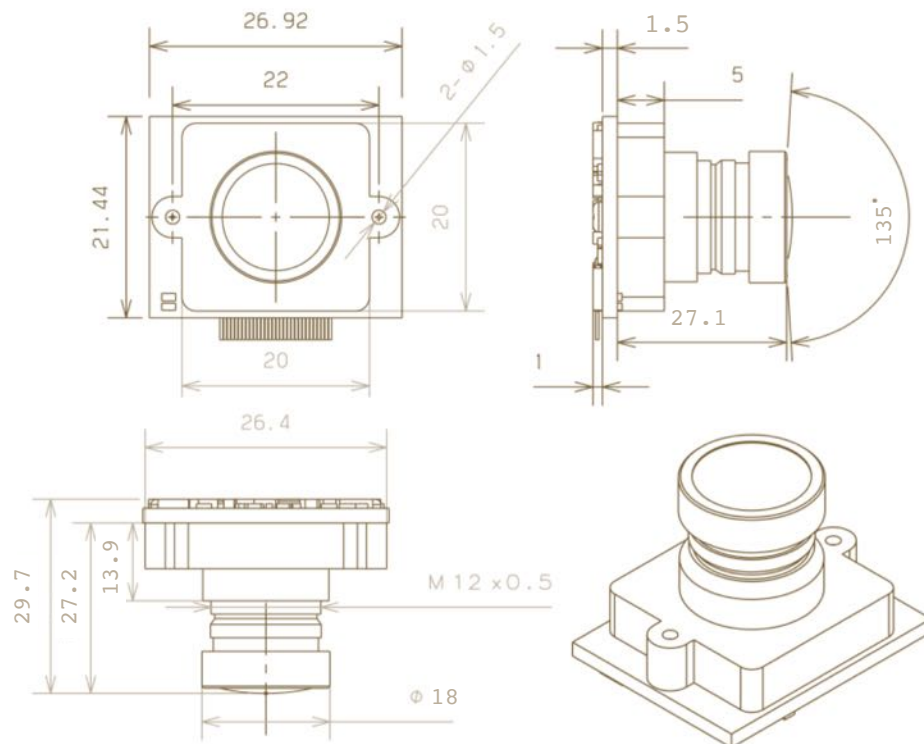


INTERFACE

- Connector Part#: 20525-030E-02C
- Number of Positions: 30
- Pitch: 0.4mm
- Mating I-PEX cable: FAW1233-03 (300mm)
- Sensor input clock: On board 27MHz
- Sensor I2C address: 0x1c (W) / 0x1d (R)
- External power supply: 3.3V
- 2.8VA, 1.8V, 1.2V are generated from board

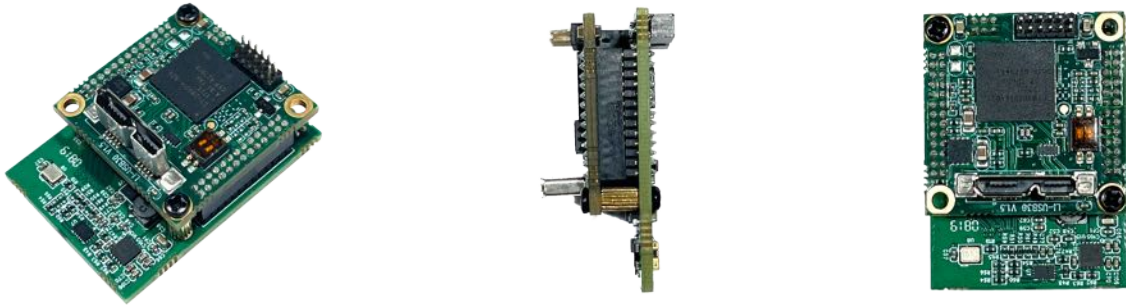


DIMENSIONS



USB3.0 CAMERA KIT

LI-USB30-CSLINK-IPX-TESTER



LI-AR0821-MIPI-135H can be connected to LI-USB30-CSLINK-IPX-TESTER as a USB 3.0 camera.

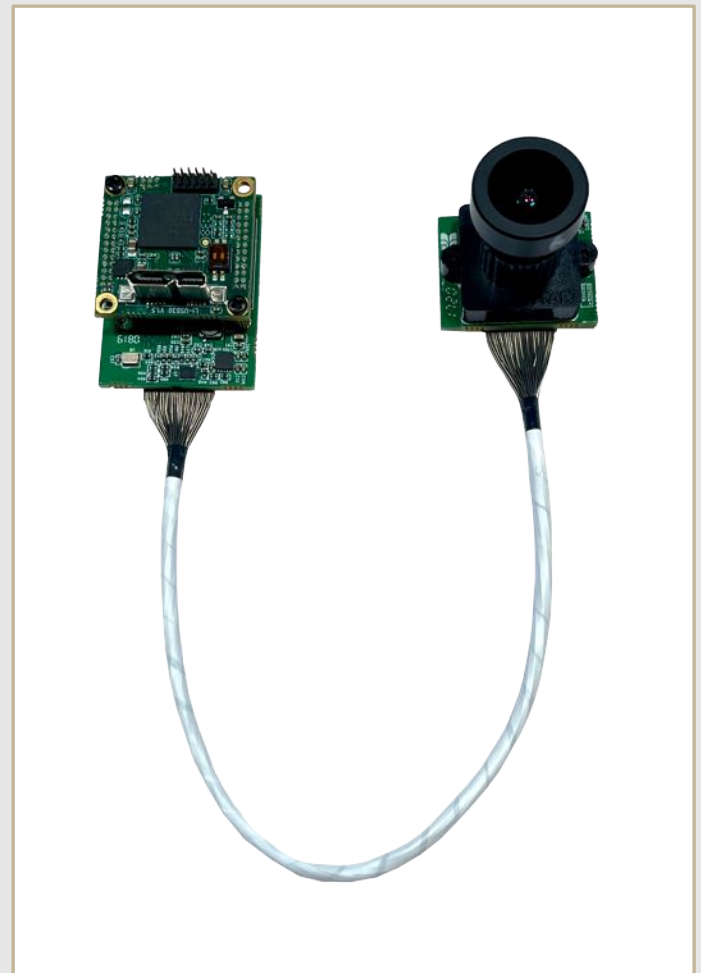
Part#: **LI-USB30-AR0821-MIPI-135H**

KEY FEATURES

- USB 3.0 Super Speed support
- RAW data output without compression
- UVC compliance
- Provide customization services
- Support M12 lens
- Weight: 26g \pm 1g
- Resolution: 3848x2168@8.8fps (limited by USB 3.0 speed)
- USB +5VDC powered device
- Support Windows, Linux OS and other OS which include the UVC drivers

SDK SUPPORTED

- Camera Tool source code in C#
- Capture & display
- RAW to BMP conversion
- Save file as BMP & RAW format
- Color Matrix
- Register access function



● REVISION HISTORY

Revision	Description	Release date
1.0	First Release	24. Nov. 2020

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