IDS U3-3861LE-M-GL-AF, USB 3.0, 1/2.8" Monochrome Camera

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IDS Imaging uEye LE USB 3.1 AF Autofocus Liquid Lens Board Level Cameras (M12 S-Mount)

Stock **#24-098**   **1 In Stock**

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—   1   +   **€535**⁰⁰

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	Spectrum:
Monochrome	

General

	Type:
Monochrome Camera	

	Model Number:

U3-3861LE-M-GL-AF

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ LE-AF

Physical & Mechanical Properties

Dimensions (mm):
36 x 36 x 19.9 (excludes connectors and lens mount)

Weight (g):
15

Housing:
Board Level

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/2.8"

Resolution (Megapixels):
2.10

Frame Rate (fps):
135.00

Pixels (H x V):
1,936 x 1,096

Pixel Size, H x V (µm):
2.90 x 2.90

Sensing Area, H x V (mm):
5.61 x 3.175

Imaging Sensor:
Sony IMX290

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Rolling

Pixel Depth:
12 bit

Exposure Time:
0.011ms - 1649ms

Dynamic Range (dB):
72.00

Machine Vision Standard:
USB3 Vision

Electrical

Power Consumption (W):
1 - 1.5

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB Type-C

Power Supply:
Power over USB

GPIOs:
2 Flash Output, 2 Trigger Input, 2 GPIO, 2 TWI, 1 Voltage Output, 1 Ground

Synchronization:
Hardware Trigger (GPIO); Software Trigger

Interface Port Orientation:
Back Panel (Right Angle)

GPIO Connector Type:
10-pin Wuerth connector (WR-WTB 1.00 mm)

Threading & Mounting

Mount:
S-Mount (M12 x 0.5)

Mounting Threads:
No Mounting Threads/Tripod Adapter

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):

-20 to +80

Product Details

- Compact M12 (S-Mount) and C/CS-Mount Board Level Cameras
- Integrated Liquid Lens Control
- Software Based Autofocus Functionality

IDS Imaging uEye LE USB 3.1 AF Autofocus Liquid Lens Board Level Cameras provide integrated liquid lens control allowing users to quickly switch between different focus distances. These board level cameras have a compact size with either an M12 (S-Mount) or C/CS-Mount camera mount. The M12 (S-Mount) cameras are compatible with our Liquid Lens M12 Imaging Lenses, while the C/CS-Mount cameras are compatible with our Liquid Lens Cx Series Fixed Focal Length Lenses. All models are equipped with a 10-pin, lockable I/O Molex connector for GPIO, trigger, and flash. The USB 3.1 Type-C connector enables USB power delivery. The liquid lens is conveniently focused via the camera using software. The autofocus can be triggered very easily by software, can be individually configured to suit the application and ensures perfectly sharp images in an instant.

Note: Board level cameras with exposed electronics are intended for system integration and may not be suitable for end users. Liquid lens sold separately. Choose your camera and the appropriate liquid lens listed under the Accessories section.

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