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IDS U3-3866LE-M-GL, USB 3.0, 1/2.8" Monochrome Camera

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IDS Imaging uEye LE/XLE Camera (M12, Full Housing, Front View)



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- 1 + C\$574⁰⁰

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Spectrum:
Monochrome

General

Type:
Monochrome Camera

Model Number:
U3-3866LE-M-GL

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ LE

Physical & Mechanical Properties

Dimensions (mm):
47 x 46 x 25 (excludes connectors and lens mount)

Weight (g):
36

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/2.8"

Resolution (Megapixels):
2.12

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:
N/A

Synchronization:
Hardware Trigger (GPIO); Software Trigger

Interface Port Orientation:
Back Panel (Right Angle)

GPIO Connector Type:
No GPIO Connector Available

Threading & Mounting

Mount:
S-Mount (M12 x 0.5)

Mounting Threads:
1/4-20 with Tripod Mount Adapter [#16-017](#)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):
-20 to +80

Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Contains SVHC\(s\)](#)

REACH 241:

Product Details

- Up to 8.0MP Resolution with Framrates up to 230fps
- Board Level Options with C/CS-Mount or S-Mount Available
- GenICam USB3 Vision Compliant

IDS Imaging uEye LE/XLE USB3.1 Cameras utilize [IDS Imaging's peak SDK platform](#) that supports GenICam and USB3 Vision standards for ease of software development and integration. These cameras are available in board-level or housed options with S-Mount or C/CS-Mount versions. The C/CS-Mount configurations come with a 5mm spacer to easily adapt between C-Mount and CS-Mount lenses. IDS Imaging uEye LE/XLE USB3.1 Cameras are ideal for small device construction, medical technology, robotics, and machine vision applications. With a compact design, the XLE version is suitable for integration into embedded systems whereas the LE version is suitable for small device projects.

Calibration Services