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## IDS U3-3866LE-C-HQ, USB 3.0, 1/2.8" Color Camera

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



Stock #24-114 **1 In Stock**

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⊖ 1 ⊕ £328<sup>00</sup>

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### Product Downloads

Color **Spectrum:**

### General

Color Camera **Type:**

**Model Number:**

U3-3866LE-C-HQ

**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:**  
¼-20 with Tripod Mount Adapter [#16-017](#)

## Environmental & Durability Factors

**Operating Temperature (°C):**  
0 to +55

**Storage Temperature (°C):**

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## Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

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[Contains SVHC\(s\)](#) **REACH 241:**

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## 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.

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