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# IDS U3-3041LE-M-GL-VU, USB 3.0, 1/2.9" Monochrome Camera

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IDS Imaging uEye LE/XLE Camera (C/CS - Mount, Full Housing, Front View)



Stock #78-121 [CONTACT US](#)

⊖ 1 ⊕ **S\$616<sup>00</sup>**

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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

U3-3041LE-M-GL-VU **Model Number:**

**Manufacturer:**

uEye+ LE **Camera Series:**

## Physical & Mechanical Properties

**Dimensions (mm):**  
36 x 36 x 26 (excludes connectors and lens mount)

**Weight (g):**  
16

**Housing:**  
Board Level

## Sensor

**Image Buffer:**  
Not Specified

**Sensor Format:**  
1/2.9"

**Resolution (Megapixels):**  
1.57

**Frame Rate (fps):**  
230.00

**Pixels (H x V):**  
1,448 x 1,086

**Pixel Size, H x V (µm):**  
3.45 x 3.45

**Sensing Area, H x V (mm):**  
4.995 x 3.746

**Imaging Sensor:**  
Sony IMX273

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Global

**Pixel Depth:**  
12 bit

**Exposure Time:**  
0.04ms - 2000ms

**Dynamic Range (dB):**  
70.00

**Machine Vision Standard:**  
USB3 Vision

## Electrical

**Power Consumption (W):**  
1 - 2

## Hardware & Interface Connectivity

**Interface:**  
USB 3.0

**Connector:**  
USB Type-C

**Power Supply:**  
Power over USB

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

## Threading & Mounting

**Mount:**  
S-Mount (M12 x 0.5)

## Environmental & Durability Factors

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

**Storage Temperature (°C):**  
-20 to +80

## Regulatory Compliance

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

## 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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