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# IDS U3-3881LE-C-HQ, USB 3.0, 1/1.8" Color Camera

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IDS Imaging uEye LE Camera (M12, Board Level, Front View)



Stock #24-099 **1 In Stock**

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⊖ 1 ⊕ MRP ₹39,825

● Price inclusive of all taxes

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Color

Spectrum:

### General

Color Camera

Type:

U3-3881LE-C-HQ

Model Number:

**Manufacturer:**  
IDS Imaging Development Systems

**Camera Series:**  
uEye+ LE

## Physical & Mechanical Properties

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

**Weight (g):**  
16

**Housing:**  
Board Level

## Sensor

**Image Buffer:**  
Not Specified

**Sensor Format:**  
1/1.8"

**Resolution (Megapixels):**  
6.40

**Frame Rate (fps):**  
54.00

**Pixels (H x V):**  
3,088 x 2,076

**Pixel Size, H x V (µm):**  
2.40 x 2.40

**Sensing Area, H x V (mm):**  
7.411 x 4.982

**Imaging Sensor:**  
Sony IMX178

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Rolling

**Pixel Depth:**  
12 bit

**Exposure Time:**  
0.014ms - 1090ms

**Dynamic Range (dB):**  
71.00

**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:**  
N/A

## Environmental & Durability Factors

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

**Storage Temperature (°C):**

## Regulatory Compliance

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

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

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

**Country of Origin:**  
Germany

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## Product Details

- Up to 8.0MP Resolution with Framerates 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.