

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

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1 **MRP ₹43,542**





Price inclusive of all taxes

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



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|  | Spec Sheets:pdf |
|  | User Manual |
|  | Software |
|  | EO Spec Sheet |

Spectrum: Monochrome

General

| | |
|--|-------------------------------------|
| Type: Monochrome Camera | Model Number: U3-3861LE-M-GL |
| 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): 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: | N/A |
|---------------|---------------------|--------------------------|-----|

Environmental & Durability Factors

| | | | |
|------------------------------------|----------|----------------------------------|------------|
| Operating Temperature (°C): | 0 to +55 | Storage Temperature (°C): | -20 to +80 |
|------------------------------------|----------|----------------------------------|------------|

Regulatory Compliance

| | | | |
|---------------------------|----------------------------------|------------------------------------|--|
| RoHS 2015: | Exempt | Certificate of Conformance: | View |
| REACH 241: | Contains SVHC(s) | | |
| 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.

Related Products



IDS Imaging Cameras



Imaging Lenses



Machine Vision Lighting



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Imaging Lens Selector

 Imaging

- Factory Automation**
- Telecentric**
- M12**

- Custom Sensor**
- Camera Model**

Number of Horizontal Pixels:

1

Number of Vertical Pixels:

2

Pixel Size (μm):

3

Working Distance (mm):

4

Horizontal Field of View (mm):

5



Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.

Resources

Media Type

- Application Note
- Video
- Published Article
- FAQ
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APPLICATION NOTE

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