

# IDS U3-3271LE-M-GL, USB 3.0, 1/1.8" Monochrome Camera

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



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1

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## SPECIFICATIONS

General

Type:

|                                                                            |                             |
|----------------------------------------------------------------------------|-----------------------------|
| Monochrome Camera                                                          |                             |
| U3-3271LE-M-GL                                                             | Model Number:               |
| IDS Imaging Development Systems                                            |                             |
| uEye+ LE                                                                   | Camera Series:              |
| Monochrome                                                                 | Spectrum:                   |
| Physical & Mechanical Properties                                           |                             |
| 36 x 36 x 19.9 (excludes connectors and lens mount)                        | Dimensions (mm):            |
| 16                                                                         | Weight (g):                 |
| Board Level                                                                | Housing:                    |
| Sensor                                                                     |                             |
| Not Specified                                                              | Image Buffer:               |
| 1/1.8"                                                                     | Sensor Format:              |
| 3.10                                                                       | Resolution (Megapixels):    |
| 58.00                                                                      | Frame Rate (fps):           |
| 2,056 x 1,542                                                              | Pixels (H x V):             |
| 3.45 x 3.45                                                                | Pixel Size, H x V (µm):     |
| 7.093 x 5.32                                                               | Sensing Area, H x V (mm):   |
| Sony IMX265                                                                | Imaging Sensor:             |
| Progressive Scan CMOS                                                      | Type of Sensor:             |
| Global                                                                     | Shutter Type:               |
| 12 bit                                                                     | Pixel Depth:                |
| 0.025ms - 1900ms                                                           | Exposure Time:              |
| 70.00                                                                      | Dynamic Range (dB):         |
| USB3 Vision                                                                | Machine Vision Standard:    |
| Electrical                                                                 |                             |
| 1 - 2                                                                      | Power Consumption (W):      |
| Hardware & Interface Connectivity                                          |                             |
| USB 3.0                                                                    | Interface:                  |
| USB Type-C                                                                 | Connector:                  |
| Power over USB                                                             | Power Supply:               |
| 2 Flash Output, 2 Trigger Input, 2 GPIO, 2 TWI, 1 Voltage Output, 1 Ground | GPIOs:                      |
| Hardware Trigger (GPIO); Software Trigger                                  | Synchronization:            |
| Back Panel (Right Angle)                                                   | Interface Port Orientation: |
| 10-pin Wuerth connector (WR-WTB 1.00 mm)                                   | GPIO Connector Type:        |
| Threading & Mounting                                                       |                             |
| S-Mbunt (M12 x 0.5)                                                        | Mount:                      |
| N/A                                                                        | Mounting Threads:           |

| Environmental & Durability Factors |                             |
|------------------------------------|-----------------------------|
| 0 to +55                           | Operating Temperature (°C): |
| -20 to +80                         | Storage Temperature (°C):   |
|                                    |                             |
| Regulatory Compliance              |                             |
| <a href="#">Exempt</a>             | RoHS 2015:                  |
| <a href="#">View</a>               | Certificate of Conformance: |
|                                    |                             |
| <a href="#">Contains SVHC(s)</a>   | REACH 241:                  |
|                                    |                             |

## PRODUCT DETAILS

- Up to 8.0MP Resolution with Framerrates 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.