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# IDS Imaging U3-3861LE-C-HQ 1/3" Monochrome Board Level USB 3.1 AutoFocus Camera

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IDS Imaging uEye LE USB 3.1 AF Autofocus Liquid Lens Board Level Cameras (M12 S-Mount)



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Video Output:  
USB 3.0

Type:  
Monochrome Camera

Manufacturer:  
IDS Imaging

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| <b>Mounting Threads:</b><br>No Mounting Threads/Tripod Adapter                              |
| <b>Image Buffer:</b><br>Not Specified                                                       |
| <b>Camera Family:</b><br>uEye LE                                                            |
| <b>Model Number:</b><br>U3-3861LE-M-GL-AF Rev.1.2                                           |
| <b>Imaging Sensor:</b><br>Sony IMX290                                                       |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                             |
| <b>Type of Shutter:</b><br>Rolling                                                          |
| <b>Camera Sensor Format:</b><br>1/3"                                                        |
| <b>Resolution (MegaPixels):</b><br>2.10                                                     |
| <b>Pixels (H x V):</b><br>1,936 x 1,096                                                     |
| <b>Pixel Size, H x V (µm):</b><br>2.90 x 2.90                                               |
| <b>Sensing Area, H x V (mm):</b><br>5.61 x 3.17                                             |
| <b>Frame Rate (fps):</b><br>135.00                                                          |
| <b>Pixel Depth:</b><br>12 bit                                                               |
| <b>Exposure Time:</b><br>11µs - 1.7s                                                        |
| <b>Connector:</b><br>USB Type-C                                                             |
| <b>Power Supply:</b><br>Power over USB                                                      |
| <b>Power Consumption (W):</b><br>1 - 1.5                                                    |
| <b>GPIOs:</b><br>2 Flash Output, 2 Trigger Input, 2 GPIO, 2 TWI, 1 Voltage Output, 1 Ground |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO); Software Trigger                        |
| <b>Dimensions (mm):</b><br>36 x 36 x 20 (excludes connectors and lens mount)                |
| <b>Weight (g):</b><br>15                                                                    |
| <b>Mount:</b><br>M12 x 0.5 (S-Mbunt)                                                        |
| <b>Housing:</b><br>Board Level                                                              |
| <b>Interface Port Orientation:</b><br>Back Back (Right Angle)                               |
| <b>Dynamic Range (dB):</b><br>Not Specified                                                 |
| <b>Operating Temperature (°C):</b><br>0 to +55                                              |
| <b>Storage Temperature (°C):</b><br>-20 to +80                                              |
| <b>GPIO Connector Type:</b><br>10-pin Wuerth                                                |
| <b>Machine Vision Standard:</b><br>USB3 Vision v1.1                                         |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Exempt</a>                |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |