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# IDS U3-3684XLS-NIR-GL, USB 3.0, 1/2.5" Monochrome Board Level Camera NIR

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Pictured is an example of an IDS Board Level Camera (Front)



Stock **#78-254** [CONTACT US](#)

-1+

€349<sup>.00</sup>

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ⓘ Prices shown are exclusive of VAT/local taxes

|     |           |
|-----|-----------|
| NIR | Spectrum: |
|-----|-----------|

General

|                   |               |
|-------------------|---------------|
| Mono NIR          | Type:         |
| U3-3684XLS-NIR-GL | Model Number: |

|                                 |                |
|---------------------------------|----------------|
| IDS Imaging Development Systems | Manufacturer:  |
| uEye+ XLS                       | Camera Series: |

Physical & Mechanical Properties

|                                                       |                  |
|-------------------------------------------------------|------------------|
| 32.5 x 32.5 x 14 (excludes connectors and lens mount) | Dimensions (mm): |
| 13                                                    | Weight (g):      |
| Board Level                                           | Housing:         |

Sensor

|                       |                           |
|-----------------------|---------------------------|
| Not Specified         | Image Buffer:             |
| 1/2.5"                | Sensor Format:            |
| 5.04                  | Resolution (Megapixels):  |
| 48.00                 | Frame Rate (fps):         |
| 2,592 x 1,944         | Pixels (H x V):           |
| 2.20 x 2.20           | Pixel Size, H x V (µm):   |
| 5.702 x 4.277         | Sensing Area, H x V (mm): |
| ON Semi AR0522        | Imaging Sensor:           |
| Progressive Scan CMOS | Type of Sensor:           |
| Rolling               | Shutter Type:             |
| 12 bit                | Pixel Depth:              |
| 0.046ms - 635ms       | Exposure Time:            |
| 63.00                 | Dynamic Range (dB):       |
| USB3 Vision           | Machine Vision Standard:  |

Electrical

|           |                        |
|-----------|------------------------|
| 0.6 - 1.2 | Power Consumption (W): |
|-----------|------------------------|

Hardware & Interface Connectivity

|                 |                      |
|-----------------|----------------------|
| USB 3.0         | Interface:           |
| USB 3.0 micro-B | Connector:           |
| Power over USB  | Power Supply:        |
| 8-pin connector | GPIO Connector Type: |

Threading & Mounting

|            |        |
|------------|--------|
| C/CS-Mount | Mount: |
|------------|--------|

Environmental & Durability Factors

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

Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | Certificate of Conformance: |
|----------------------|-----------------------------|

## Product Details

- Standard (SE), Compact (CP), and Ultra Compact (XCP) Housing Options Available
- C-Mount with Large Format CMOS Sensors up to 1.1"
- Up to 20.44MP Resolution with Framerrates up to 396fps

IDS Imaging uEye CP/XCP/SE USB3 Cameras utilize [IDS Imaging's peak SDK platform](#) that supports GeniCam and USB3 Vision standards for easy software development and integration. The CP cameras are the industry standard size of 29 x 29 x 29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x 29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x 44 x 47mm to allow for exceptional heat management and are ideal for noise and heat-sensitive applications. IDS Imaging uEye CP/XCP/SE USB3 Cameras are ideal for manufacturing, industrial, and automation applications.