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## IDS U3-3681XLS-NIR, 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 **#78-252** [CONTACT US](#)

− 1 + MRP ₹36,639

● Price inclusive of all taxes

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## Product Downloads

NIR **Spectrum:**

### General

Mono NIR **Type:**

U3-3681XLS-NIR **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:**

0.01ms - 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

S-Mount (M12 x 0.5) **Mount:**

### Environmental & Durability Factors

**Operating Temperature (°C):**

0 to +85

Storage Temperature (°C):

-20 to +80

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## Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin:

Germany

Imported By:

Edmund Optics India Private Limited  
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## 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 Framrates 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 x29 x29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x44 x47mm 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.

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