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IDS U3-3681XLS-M, USB 3.0, 1/2.5" Monochrome Board Level Camera

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



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- 1 + €241⁰⁰

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Product Downloads

Monochrome

Spectrum:

General

Monochrome Camera

Type:

U3-3681XLS-M

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 AR0521

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Rolling

Shutter Type:

12 bit

Pixel Depth:

0.016ms - 2000ms

Exposure Time:

64.00

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

0 to +85 **Operating Temperature (°C):**

-20 to +80 **Storage Temperature (°C):**

Regulatory Compliance

[View](#) **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.

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