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# IDS U3-38C4XLS-C-HQ, USB 3.0, 1/2.8" Color Board Level Camera

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⊖ 1 ⊕ A\$364<sup>00</sup>

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## Product Downloads

Color **Spectrum:**

## General

Color Camera **Type:**

U3-38C4XLS-C-HQ **Model Number:**

IDS Imaging Development Systems **Manufacturer:**

uEye+ XLS

Camera Series:

## Physical & Mechanical Properties

**Dimensions (mm):**

32.5 x 32.5 x 14 (excludes connectors and lens mount)

**Weight (g):**

15

**Housing:**

Board Level

## Sensor

**Image Buffer:**

Not Specified

**Sensor Format:**

1/2.8"

**Resolution (Megapixels):**

2.16

**Frame Rate (fps):**

88.00

**Pixels (H x V):**

1,936 x 1,096

**Pixel Size, H x V (µm):**

2.90 x 2.90

**Sensing Area, H x V (mm):**

5.614 x 3.178

**Imaging Sensor:**

Sony IMX662

**Type of Sensor:**

Progressive Scan CMOS

**Shutter Type:**

Rolling

**Pixel Depth:**

12 bit

**Exposure Time:**

0.009ms - 2000ms

**Dynamic Range (dB):**

74.00

**Machine Vision Standard:**

USB3 Vision

## Electrical

**Power Consumption (W):**

0.5 - 0.9

## Hardware & Interface Connectivity

**Interface:**

USB 3.0

**Connector:**

USB 3.0 micro-B

**Power Supply:**

Power over USB

**GPIO Connector Type:**

8-pin connector

## Threading & Mounting

**Mount:**

C/CS-Mount

## Environmental & Durability Factors

**Operating Temperature (°C):**

0 to +75

**Storage Temperature (°C):**

-20 to +80

## Regulatory Compliance

**Certificate of Conformance:**

[View](#)

## 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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