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# IDS U3-38C0XCP-M-GL, USB 3.0, 1/2.8" Monochrome Camera

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IDS Imaging uEye+ USB3 Cameras



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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

U3-38C0XCP-M-GL **Model Number:**

**Manufacturer:**

uEye+ XCP **Camera Series:**

## Physical & Mechanical Properties

**Dimensions (mm):**  
29 x 29 x 17 (excludes connectors and lens mount)

**Weight (g):**  
59

**Housing:**  
Full

## 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 - 1.2

## Hardware & Interface Connectivity

**Interface:**  
USB 3.0

**Connector:**  
USB 3.0 micro-B, screwable

**Power Supply:**  
Power over USB

**GPIO Connector Type:**  
8-pin connector

## Threading & Mounting

**Mount:**  
C-Mount

## Environmental & Durability Factors

**Operating Temperature (°C):**  
0 to +55

**Storage Temperature (°C):**  
-20 to +60

## Regulatory Compliance

**Certificate of Conformance:**  
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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 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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