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# IDS U3-38C0XCP-C-HQ, USB 3.0, 1/2.8" Color Camera

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IDS Imaging uEye+ USB3 Cameras



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Color	Spectrum:
<b>General</b>	
Color Camera	Type:
U3-38C0XCP-C-HQ	Model Number:

IDS Imaging Development Systems **Manufacturer:**

uEye+ XCP **Camera Series:**

## Physical & Mechanical Properties

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

59 **Weight (g):**

Full **Housing:**

## Sensor

Not Specified **Image Buffer:**

1/2.8" **Sensor Format:**

2.16 **Resolution (Megapixels):**

88.00 **Frame Rate (fps):**

1,936 x 1,096 **Pixels (H x V):**

2.90 x 2.90 **Pixel Size, H x V (µm):**

5.614 x 3.178 **Sensing Area, H x V (mm):**

Sony IMX662 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Rolling **Shutter Type:**

12 bit **Pixel Depth:**

0.009ms - 2000ms **Exposure Time:**

74.00 **Dynamic Range (dB):**

USB3 Vision **Machine Vision Standard:**

## Electrical

0.5 - 1.2 **Power Consumption (W):**

## Hardware & Interface Connectivity

USB 3.0 **Interface:**

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

Power over USB **Power Supply:**

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

## Threading & Mounting

C-Mount **Mount:**

## Environmental & Durability Factors

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

-20 to +60 **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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