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IDS U3-34L0XCP-M-GL, USB 3.0, 1/1.6" Monochrome Camera

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IDS Imaging uEye+ USB3 Cameras



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Spectrum:
Monochrome

General

Type:
Monochrome Camera

Model Number:
U3-34L0XCP-M-GL

Manufacturer:

uEye+ XCP **Camera Series:**

Physical & Mechanical Properties

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

Weight (g):
62

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/1.6"

Resolution (Megapixels):
12.62

Frame Rate (fps):
40.00

Pixels (H x V):
3,552 x 3,552

Pixel Size, H x V (µm):
2.00 x 2.00

Sensing Area, H x V (mm):
7.104 x 7.104

Imaging Sensor:
Sony IMX676

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Rolling

Pixel Depth:
12 bit

Exposure Time:
0.031ms - 2000ms

Dynamic Range (dB):
68.00

Machine Vision Standard:
USB3 Vision

Electrical

Power Consumption (W):
1 - 1.3

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.
