

# IDS U3-34F0XCP-C-HQ, USB 3.0, 1/2.8" Color Camera

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IDS Imaging uEye+ USB3 Cameras



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## SPECIFICATIONS

General

Color

Type:

|                                                                       |  |
|-----------------------------------------------------------------------|--|
| Manufacturer:<br>IDS Imaging Development Systems                      |  |
| Camera Family:<br>uEye+ XCP                                           |  |
| Model Number:<br>U3-34F0XCP-C-HQ                                      |  |
| Physical & Mechanical Properties                                      |  |
| Dimensions (mm):<br>29 x 29 x 17 (excludes connectors and lens mount) |  |
| Weight (g):<br>62                                                     |  |
| Housing:<br>Full                                                      |  |
| Sensor                                                                |  |
| Image Buffer:<br>Not Specified                                        |  |
| Imaging Sensor:<br>Sony IMX675                                        |  |
| Type of Sensor:<br>Progressive Scan CMOS                              |  |
| Type of Shutter:<br>Rolling                                           |  |
| Camera Sensor Format:<br>1/2.8"                                       |  |
| Resolution (MegaPixels):<br>5.08                                      |  |
| Pixels (H x V):<br>2,608 x 1,960                                      |  |
| Pixel Size, H x V (µm):<br>2.00 x 2.00                                |  |
| Sensing Area, H x V (mm):<br>5.216 x 3.92                             |  |
| Frame Rate (fps):<br>40.00                                            |  |
| Pixel Depth:<br>12 bit                                                |  |
| Exposure Time:<br>0.012ms - 2000ms                                    |  |
| Dynamic Range (dB):<br>68.00                                          |  |
| Machine Vision Standard:<br>USB3 Vision                               |  |
| Electrical                                                            |  |
| Power Consumption (W):<br>1 - 1                                       |  |
| Hardware & Interface Connectivity                                     |  |
| Video Output:<br>USB 3.0                                              |  |
| Connector:<br>USB 3.0 micro-B, screwable                              |  |
| Power Supply:<br>Power over USB                                       |  |
| GPIO Connector Type:<br>8-pin connector                               |  |
| Threading & Mounting                                                  |  |
| Mount:<br>C-Mbunt                                                     |  |
| Environmental & Durability Factors                                    |  |
| Operating Temperature (°C):<br>0 to +55                               |  |
| Storage Temperature (°C):<br>-20 to +60                               |  |
| Regulatory Compliance                                                 |  |
| RoHS:<br>Compliant                                                    |  |
| Certificate of Conformance:<br>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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