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# IDS U3-3070CP-C-HQ, USB 3.0, 1/1.8" Color Camera

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IDS Imaging uEye+ USB3 Camera, CP Model (Front)



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-

1

+

£816<sup>.00</sup>

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**Note:** This item requires accessories for use | [Learn More](#)

Product Downloads

Color

Spectrum:

General

Color Camera

Type:

|                                 |                |
|---------------------------------|----------------|
| U3-3070CP-C-HQ                  | Model Number:  |
| IDS Imaging Development Systems | Manufacturer:  |
| uEye+ CP                        | Camera Series: |

Physical & Mechanical Properties

|                                                   |                  |
|---------------------------------------------------|------------------|
| 29 x 29 x 29 (excludes connectors and lens mount) | Dimensions (mm): |
| 50                                                | Weight (g):      |
| Full                                              | Housing:         |

Sensor

|                       |                           |
|-----------------------|---------------------------|
| 128MB                 | Image Buffer:             |
| 1/1.8"                | Sensor Format:            |
| 3.15                  | Resolution (Megapixels):  |
| 114.00                | Frame Rate (fps):         |
| 2,056 x 1,542         | Pixels (H x V):           |
| 3.45 x 3.45           | Pixel Size, H x V (µm):   |
| 7.093 x 5.32          | Sensing Area, H x V (mm): |
| Sony IMX252           | Imaging Sensor:           |
| Progressive Scan CMOS | Type of Sensor:           |
| Global                | Shutter Type:             |
| 12 bit                | Pixel Depth:              |
| 0.036ms - 2000ms      | Exposure Time:            |
| 70.00                 | Dynamic Range (dB):       |
| USB3 Vision           | Machine Vision Standard:  |

Electrical

|           |                        |
|-----------|------------------------|
| 1.6 - 3.5 | Power Consumption (W): |
|-----------|------------------------|

Hardware & Interface Connectivity

|                                                                            |                             |
|----------------------------------------------------------------------------|-----------------------------|
| USB 3.0                                                                    | Interface:                  |
| USB 3.0 micro-B, screwable                                                 | Connector:                  |
| Power over USB                                                             | Power Supply:               |
| 2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Output Supply Voltage, 1 Ground | GPIOs:                      |
| Hardware Trigger (GPIO)                                                    | Synchronization:            |
| Back Panel                                                                 | Interface Port Orientation: |
| 8-pin Hirose connector (HR25-7TR-8PA(73))                                  | GPIO Connector Type:        |

Threading & Mounting

|                                                        |                   |
|--------------------------------------------------------|-------------------|
| C-Mount                                                | Mount:            |
| ¼-20 with Tripod Mount Adapter <a href="#">#35-088</a> | Mounting Threads: |

Environmental & Durability Factors

|          |                             |
|----------|-----------------------------|
| 0 to +55 | Operating Temperature (°C): |
|----------|-----------------------------|

|                                  |                             |
|----------------------------------|-----------------------------|
| Storage Temperature (°C):        |                             |
| -20 to +60                       |                             |
| Regulatory Compliance            |                             |
| <a href="#">Exempt</a>           | RoHS 2015:                  |
|                                  |                             |
| <a href="#">View</a>             | Certificate of Conformance: |
|                                  |                             |
| REACH 241:                       |                             |
| <a href="#">Contains SVHC(s)</a> |                             |

## 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 x29 x29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x44 x47mm 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.