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# IDS U3-3800CP-C-HQ, USB 3.0, 1" Color Camera

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



Stock **#16-538** **1 In Stock**

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-

1

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S\$1,162<sup>.00</sup>

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

Product Downloads

Color

Spectrum:

General

Color Camera

Type:

|                                 |                |
|---------------------------------|----------------|
| U3-3800CP-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): |
| 49                                                | Weight (g):      |

|      |          |
|------|----------|
| Full | Housing: |
|------|----------|

Sensor

|                       |                           |
|-----------------------|---------------------------|
| 128MB                 | Image Buffer:             |
| 1"                    | Sensor Format:            |
| 20.44                 | Resolution (Megapixels):  |
| 19.50                 | Frame Rate (fps):         |
| 5,536 x 3,692         | Pixels (H x V):           |
| 2.40 x 2.40           | Pixel Size, H x V (µm):   |
| 13.286 x 8.861        | Sensing Area, H x V (mm): |
| Sony IMX183           | Imaging Sensor:           |
| Progressive Scan CMOS | Type of Sensor:           |
| Rolling               | Shutter Type:             |
| 12 bit                | Pixel Depth:              |
| 0.053ms - 814ms       | Exposure Time:            |
| 71.00                 | Dynamic Range (dB):       |
| USB3 Vision           | Machine Vision Standard:  |

Electrical

|           |                        |
|-----------|------------------------|
| 1.8 - 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:            |
| 1/4-20 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: |
|                                  |                             |
| <a href="#">Contains SVHC(s)</a> | REACH 241:                  |
|                                  |                             |

## 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 Framerates 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.