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# IDS U3-3140CP-M-GL, USB 3.0, 1/2" Monochrome Camera

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



Stock **#24-080** [CONTACT US](#)

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+

C\$910<sup>.00</sup>

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| Spectrum:         |  |
|-------------------|--|
| Monochrome        |  |
| General           |  |
| Type:             |  |
| Monochrome Camera |  |
| Model Number:     |  |
| U3-3140CP-M-GL    |  |
| Manufacturer:     |  |

|                                                                                      |                |
|--------------------------------------------------------------------------------------|----------------|
| IDS Imaging Development Systems                                                      |                |
| uEye+ CP                                                                             | Camera Series: |
| Physical & Mechanical Properties                                                     |                |
| Dimensions (mm):<br>29 x 29 x 29 (excludes connectors and lens mount)                |                |
| Weight (g):<br>52                                                                    |                |
| Housing:<br>Full                                                                     |                |
| Sensor                                                                               |                |
| Image Buffer:<br>128MB                                                               |                |
| Sensor Format:<br>1/2"                                                               |                |
| Resolution (Megapixels):<br>1.30                                                     |                |
| Frame Rate (fps):<br>169.00                                                          |                |
| Pixels (H x V):<br>1,280 x 1,024                                                     |                |
| Pixel Size, H x V (µm):<br>4.80 x 4.80                                               |                |
| Sensing Area, H x V (mm):<br>6.144 x 4.915                                           |                |
| Imaging Sensor:<br>ON Semi PYTHON 1300                                               |                |
| Type of Sensor:<br>Progressive Scan CMOS                                             |                |
| Shutter Type:<br>Global                                                              |                |
| Pixel Depth:<br>10 bit                                                               |                |
| Exposure Time:<br>0.025ms - 434ms                                                    |                |
| Dynamic Range (dB):<br>60.00                                                         |                |
| Machine Vision Standard:<br>USB3 Vision                                              |                |
| Electrical                                                                           |                |
| Power Consumption (W):<br>1.7 - 3.2                                                  |                |
| Hardware & Interface Connectivity                                                    |                |
| Interface:<br>USB 3.0                                                                |                |
| Connector:<br>USB 3.0 micro-B, screwable                                             |                |
| Power Supply:<br>Power over USB                                                      |                |
| GPIOs:<br>2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Output Supply Voltage, 1 Ground |                |
| Synchronization:<br>Hardware Trigger (GPIO)                                          |                |
| Interface Port Orientation:<br>Back Panel                                            |                |
| GPIO Connector Type:<br>8-pin Hirose connector (HR25-7TR-8PA(73))                    |                |
| Threading & Mounting                                                                 |                |
| Mount:<br>C-Mount                                                                    |                |
| Mounting Threads:<br>¼-20 with Tripod Mount Adapter <a href="#">#35-088</a>          |                |
| Environmental & Durability Factors                                                   |                |
| Operating Temperature (°C):<br>0 to +55                                              |                |
| Storage Temperature (°C):<br>-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 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.

## Calibration Services