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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)



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A\$1,328^{.00}

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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:
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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):
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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:
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Threading & Mounting

C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #35-088	Mounting Threads:

Environmental & Durability Factors

0 to +55	Operating Temperature (°C):
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Storage Temperature (°C):	
-20 to +60	
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	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 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.