

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

A black, rectangular camera module with a lens on the left side and a connector on the right side. The text "IDS:" is visible on the front face.



☐ - 1 ☐ + €650^{,00}

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General	
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U3-3140CP-M-GL **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):
52	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
1/2"	Sensor Format:
1.30	Resolution (Megapixels):
169.00	Frame Rate (fps):
1,280 x 1,024	Pixels (H x V):
4.80 x 4.80	Pixel Size, H x V (µm):
6.144 x 4.915	Sensing Area, H x V (mm):
ON Semi PYTHON 1300	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
10 bit	Pixel Depth:
0.025ms - 434ms	Exposure Time:
60.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:
Electrical	
1.7 - 3.2	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 #35-088	Mounting Threads:
Environmental & Durability Factors	
0 to +55	Operating Temperature (°C):
-20 to +60	Storage Temperature (°C):

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.