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IDS U3-31R0CP-M-GL, USB 3.0, 1.2" Monochrome Camera

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IDS Imaging uEye+ USB3 Cameras



Stock **#78-112** [CONTACT US](#)

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1

+

\$3,962⁰⁰

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Spectrum:	
Monochrome	
General	
Type:	
Monochrome Camera	
Model Number:	
U3-31R0CP-M-GL	
Manufacturer:	

IDS Imaging Development Systems	
uEye+ CP	Camera Series:
Physical & Mechanical Properties	
Dimensions (mm): 29 x29 x29 (excludes connectors and lens mount)	
50	Weight (g):
Housing: Full	
Sensor	
128MB	Image Buffer:
1.2"	Sensor Format:
24.55	Resolution (Megapixels):
16.00	Frame Rate (fps):
5,328 x4,608	Pixels (H x V):
2.74 x2.74	Pixel Size, H x V (µm):
14.599 x 12.626	Sensing Area, H x V (mm):
Sony IMX540	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
0.035ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:
Electrical	
1.8 - 4.4	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); Software Trigger	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 #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 251:

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.