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IDS U3-31L0CP-C-HQ, USB 3.0, 1/1.1" Color Camera

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IDS Imaging uEye+ USB3 Cameras



Stock **#78-105** 1 In Stock

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1

+

C\$2,177⁰⁰

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Color		Spectrum:
Color Camera		Type:
U3-31L0CP-C-HQ		Model Number:
		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:
1/1.1"	Sensor Format:
Resolution (Megapixels): 12.42	
32.00	Frame Rate (fps):
Pixels (H x V): 4,128 x3,008	
2.74 x2.74	Pixel Size, H x V (µm):
Sensing Area, H x V (mm): 11.311 x8.242	
Sony IMX545	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
Pixel Depth: 12 bit	
0.032ms - 2000ms	Exposure Time:
Dynamic Range (dB): 70.00	
USB3 Vision	Machine Vision Standard:
Electrical	
2 - 4.1	Power Consumption (W):
Hardware & Interface Connectivity	
USB 3.0	Interface:
USB 3.0 micro-B, screwable	Connector:
Power Supply: Power over USB	
GPIOs: 2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Output Supply Voltage, 1 Ground	
Synchronization: Hardware Trigger (GPIO); Software Trigger	
Back Panel	Interface Port Orientation:
GPIO Connector Type: 8-pin Hirose connector (HR25-7TR-8PA(73))	
Threading & Mounting	
C-Mount	Mount:
Environmental & Durability Factors	
0 to +55	Operating Temperature (°C):
-20 to +60	Storage Temperature (°C):
Regulatory Compliance	
RoHS 2015:	

Exempt	
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 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.

Calibration Services