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IDS U3-31R0CP-C-HQ, USB 3.0, 1.2" Color Camera

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IDS Imaging uEye+ USB3 Cameras



Stock **#78-111** 1 In Stock

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1

+

A\$4,528⁰⁰

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Color		Spectrum:
General		
Color Camera		Type:
U3-31R0CP-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)	
Weight (g): 50	
Housing: Full	
Sensor	
Image Buffer: 128MB	
Sensor Format: 1.2"	
Resolution (Megapixels): 24.55	
Frame Rate (fps): 16.00	
Pixels (H x V): 5,328 x4,608	
Pixel Size, H x V (µm): 2.74 x2.74	
Sensing Area, H x V (mm): 14.599 x 12.626	
Imaging Sensor: Sony IMX540	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 12 bit	
Exposure Time: 0.035ms - 2000ms	
Dynamic Range (dB): 70.00	
Machine Vision Standard: USB3 Vision	
Electrical	
Power Consumption (W): 1.8 - 4.4	
Hardware & Interface Connectivity	
Interface: USB 3.0	
Connector: USB 3.0 micro-B, screwable	
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	
Interface Port Orientation: Back Panel	
GPIO Connector Type: 8-pin Hirose connector (HR25-7TR-8PA(73))	
Threading & Mounting	
Mount: C-Mount	
Mounting Threads: ¼-20 with Tripod Mount Adapter #35-088	
Environmental & Durability Factors	
Operating Temperature (°C): 0 to +55	
Storage Temperature (°C): -20 to +60	

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.