

Two IDS industrial cameras are shown. The camera on the left has a purple lens and the camera on the right has a blue lens. Both cameras are black with a silver-colored mounting bracket. The IDS logo is visible on the side of each camera. They are mounted on a black base.



- 1 + €2.830^{,00}

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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:	
Color Camera	

GV-51R0CP-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):
53	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
1.2"	Sensor Format:
24.55	Resolution (Megapixels):
5.00	Frame Rate (fps):
5,328 x 4,608	Pixels (H x V):
2.74 x 2.74	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:
0.015ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:
Electrical	
2 - 5.1	Power Consumption (W):
Hardware & Interface Connectivity	
GigE (PoE)	Interface:
GigE RJ45, screwable	Connector:
Power over Ethernet (PoE) or 12 - 24VDC via GPIO with #16-016	Power Supply:
2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Voltage Output, 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:
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 251:

Product Details

- Standard (SE) and Compact (CP) Housing Options Available
- C-Mount with Large Format CMOS Sensors up to 1.1"
- GenICam GigE Vision Compliant
- [IDS Imaging uEye CP/XCP/SE USB3 Cameras](#) Available

IDS Imaging uEye CP/SE GigE Cameras utilize IDS Imaging's [peak SDK platform](#) that supports GenICam and GigE Vision standards for ease of 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 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/SE GigE Cameras feature a screwable 8-pin Hirose connector for trigger and flash as well as two GPIOs. These cameras are ideal for a variety of applications such as automation, automotive, medical technology, and logistics.