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IDS GV-51R0CP-C-HQ, GigE, 1.2" Color Camera

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IDS Imaging uEye+ GigE Cameras



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Color **Spectrum:**

General

Color Camera **Type:**

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.

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