

# IDS GV-5270SE-C-HQ, GigE, 1/1.8" Color Camera

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IDS Imaging uEye+ GigE Cameras



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Color	Spectrum:

**General**

Color Camera	Type:
GV-5270SE-C-HQ	Model Number:
	Manufacturer:

## Camera Series:

uEye+ SE

## Physical &amp; Mechanical Properties

## Dimensions (mm):

34 x 44 x 47 (excludes connectors and lens mount)

## Weight (g):

109

## Housing:

Full

## Sensor

## Image Buffer:

128MB

## Sensor Format:

1/1.8"

## Resolution (Megapixels):

3.19

## Frame Rate (fps):

37.00

## Pixels (H x V):

2,056 x 1,542

## Pixel Size, H x V (µm):

3.45 x 3.45

## Sensing Area, H x V (mm):

7.093 x 5.32

## Imaging Sensor:

Sony IMX265

## Type of Sensor:

Progressive Scan CMOS

## Shutter Type:

Global

## Pixel Depth:

12 bit

## Exposure Time:

0.025ms - 2000ms

## Dynamic Range (dB):

70.00

## Machine Vision Standard:

GigE Vision

## Electrical

## Power Consumption (W):

1.7 - 3.1

## Hardware &amp; Interface Connectivity

## Interface:

GigE (PoE)

## Connector:

GigE RJ45, screwable

## Power Supply:

Power over Ethernet (PoE) or 12 - 24VDC via GPIO with [#16-016](#)

## GPIOs:

2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Voltage Output, 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 &amp; Mounting

## Mount:

C-Mount

## Mounting Threads:

1/4-20 with Tripod Mount Adapter [#16-017](#)

## Environmental &amp; 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 241:**

## 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.