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IDS GV-50C0SE-M-GL, GigE, 1/2.3" Monochrome Camera

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IDS Imaging uEye+ GigE Cameras



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Spectrum:
Monochrome

General

Type:
Monochrome Camera

Model Number:
GV-50C0SE-M-GL

Manufacturer:

Camera Series:

uEye+ SE

Physical & Mechanical Properties

Dimensions (mm):

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

Weight (g):

105

Housing:

Full

Sensor

Image Buffer:

128MB

Sensor Format:

1/2.3"

Resolution (Megapixels):

2.35

Frame Rate (fps):

52.00

Pixels (H x V):

1,936 x 1,216

Pixel Size, H x V (µm):

3.45 x 3.45

Sensing Area, H x V (mm):

6.679 x 4.195

Imaging Sensor:

Sony IMX392

Type of Sensor:

Progressive Scan CMOS

Shutter Type:

Global

Pixel Depth:

12 bit

Exposure Time:

0.025ms - 2000ms

Dynamic Range (dB):

71.00

Machine Vision Standard:

GigE Vision

Electrical

Power Consumption (W):

1.5 - 3.7

Hardware & 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 & Mounting

Mount:

C-Mount

Mounting Threads:

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

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 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.