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# IDS GV-5990SE-M-GL, GigE, 1.1" Monochrome Camera

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IDS Imaging uEye+ GigE Cameras



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## Product Downloads

Monochrome **Spectrum:**

## General

Monochrome Camera **Type:**

GV-5990SE-M-GL **Model Number:**

IDS Imaging Development Systems **Manufacturer:**

uEye+ SE **Camera Series:**

## Physical & Mechanical Properties

34 x 44 x 47 (excludes connectors and lens mount) **Dimensions (mm):**

105 **Weight (g):**

Full **Housing:**

## Sensor

128MB **Image Buffer:**

1.1" **Sensor Format:**

20.36 **Resolution (Megapixels):**

5.50 **Frame Rate (fps):**

4,512 x 4,512 **Pixels (H x V):**

2.74 x 2.74 **Pixel Size, H x V (µm):**

12.363 x 12.363 **Sensing Area, H x V (mm):**

Sony IMX541 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Global **Shutter Type:**

12 bit **Pixel Depth:**

0.042ms - 2000ms **Exposure Time:**

70.00 **Dynamic Range (dB):**

GigE Vision **Machine Vision Standard:**

## Electrical

1.9 - 4.4 **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 [#16-017](#) **Mounting Threads:**

## Environmental & Durability Factors

0 to +55 **Operating Temperature (°C):**

-20 to +60 **Storage Temperature (°C):**

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## Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Contains SVHC\(s\)](#)

REACH 241:

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## 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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