

IDS GV-5990FA-C-HQ, GigE, 1.1" Color Camera

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IDS Imaging uEye+ FAIP65/67 PoE Cameras (Front)



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Color **Spectrum:**

General

Color Camera **Type:**

GV-5990FA-C-HQ **Model Number:**

IDS Imaging Development Systems **Manufacturer:**

uEye+ FA **Camera Series:**

Physical & Mechanical Properties

41 x 53 x 42.7 (excludes connectors and lens mount) **Dimensions (mm):**

173 **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:**

0.013ms - 2000ms **Exposure Time:**

70.00 **Dynamic Range (dB):**

GigE Vision **Machine Vision Standard:**

Electrical

1.9 - 4.5 **Power Consumption (W):**

Hardware & Interface Connectivity

GigE (PoE) **Interface:**

GigE M12, screwable **Connector:**

Power over Ethernet (PoE) or 12 - 24VDC via GPIO with [#19-692](#) **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 Binder connector (Binder series 712: 09-0427-020-08) **GPIO Connector Type:**

Threading & Mounting

C-Mount **Mount:**

¼-20 with Tripod Mount Adapter [#19-694](#) **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 241:

Product Details

- Designed for Harsh Environments
- Robust IP65/67 Housing for Dust and Washdown Protection
- Compatible with [TECHSPEC® Cw Series Lenses](#)
- IP65/67 Rated Accessories and Illumination Also Available

IDS Imaging uEye+ FA IP65/67 PoE Cameras feature robust IP65/67 rated housings to withstand harsh industrial environments, providing protection against dirt, dust, and water. These cameras provide plug-and-play functionality and require no additional enclosures when paired with [TECHSPEC® Cw Series Lenses](#). Featuring IP65/67 rated accessories, these cameras utilize IDS Imaging's latest Peak SDK platform that supports GenICam and GigE Vision standards, simplifying system integration and software development. IDS Imaging uEye+ FA IP65/67 PoE Cameras are ideal for a wide variety of demanding applications requiring washdown and dust resistance including factory automation, medical technology, and machine vision.
