

# IDS GV-5800FA-M-GL, GigE, 1" Monochrome Camera

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



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## Product Downloads

**Spectrum:**  
Monochrome

## General

**Type:**  
Monochrome Camera

**Model Number:**  
GV-5800FA-M-GL

**Manufacturer:**  
IDS Imaging Development Systems

**Camera Series:**  
uEye+ FA

## Physical & Mechanical Properties

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

**Weight (g):**  
173

**Housing:**  
Full

## Sensor

**Image Buffer:**  
128MB

**Sensor Format:**  
1"

**Resolution (Megapixels):**  
20.44

**Frame Rate (fps):**  
6.00

**Pixels (H x V):**  
5,536 x 3,692

**Pixel Size, H x V (µm):**  
2.40 x 2.40

**Sensing Area, H x V (mm):**  
13.286 x 8.861

**Imaging Sensor:**  
Sony IMX183

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Rolling

**Pixel Depth:**  
12 bit

**Exposure Time:**  
0.053ms - 2000ms

**Dynamic Range (dB):**  
71.00

**Machine Vision Standard:**  
GigE Vision

## Electrical

**Power Consumption (W):**  
1.5 - 3.4

## Hardware & Interface Connectivity

**Interface:**  
GigE (PoE)

**Connector:**  
GigE M12, screwable

**Power Supply:**  
Power over Ethernet (PoE) or 12 - 24VDC via GPIO with [#19-692](#)

**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 Binder connector (Binder series 712: 09-0427-020-08)

## Threading & Mounting

**Mount:**  
C-Mount

**Mounting Threads:**  
1/4-20 with Tripod Mount Adapter [#19-694](#)

## Environmental & Durability Factors

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

-20 to +60

Storage Temperature (°C):

## Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

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

REACH 241:

Germany

Country of Origin:

Imported By:

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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+ FAIP65/67 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+ FAIP65/67 PoE Cameras are ideal for a wide variety of demanding applications requiring washdown and dust resistance including factory automation, medical technology, and machine vision.