

IDS GV-5800FA-C-HQ, GigE, 1" Color Camera

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



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Spectrum:
Color

General

Type:
Color Camera

Model Number:
GV-5800FA-C-HQ

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
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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.