

IDS GV-51A0FA-C-HQ, GigE, 1/1.7" 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-51A0FA-C-HQ **Model Number:**

Manufacturer:

uEye+ FA **Camera Series:**

Physical & Mechanical Properties

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

Weight (g):
174

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1/1.7"

Resolution (Megapixels):
0.51

Frame Rate (fps):
225.00

Pixels (H x V):
816 x 624

Pixel Size, H x V (µm):
9.00 x 9.00

Sensing Area, H x V (mm):
7.344 x 5.616

Imaging Sensor:
Sony IMX426

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
0.031ms - 2000ms

Dynamic Range (dB):
Not Specified

Machine Vision Standard:
GigE Vision

Electrical

Power Consumption (W):
1.8 - 5

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 Power Supply, 1 Ground

Synchronization:
Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

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

Storage Temperature (°C):
-20 to +60

Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **Reach 251:**

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.

Calibration Services
