

# IDS GV-5880FA-C-HQ, GigE, 1/1.8" Color Camera

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



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#### Product Downloads

Color **Spectrum:**

#### General

Color Camera **Type:**

GV-5880FA-C-HQ **Model Number:**

**Manufacturer:**

## Camera Series:

uEye+ FA

## Physical &amp; 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:

1/1.8"

## Resolution (Megapixels):

6.41

## Frame Rate (fps):

18.00

## Pixels (H x V):

3,088 x 2,076

## Pixel Size, H x V (µm):

2.40 x 2.40

## Sensing Area, H x V (mm):

7.411 x 4.982

## Imaging Sensor:

Sony IMX178

## Type of Sensor:

Progressive Scan CMOS

## Shutter Type:

Rolling

## Pixel Depth:

12 bit

## Exposure Time:

0.031ms - 2000ms

## Dynamic Range (dB):

71.00

## Machine Vision Standard:

GigE Vision

## Electrical

## Power Consumption (W):

1.8 - 2.7

## Hardware &amp; 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 &amp; Mounting

## Mount:

C-Mount

## Mounting Threads:

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

## Environmental &amp; 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 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.

## Calibration Services