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# IDS GV-51R0FA-M-GL, GigE, 1.2" Monochrome Camera

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



Stock **#78-086** **1 In Stock**

- 1 + C\$4,284.<sup>00</sup>

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Monochrome **Spectrum:**

#### General

Monochrome Camera **Type:**

GV-51R0FA-M-GL **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):**  
175

**Housing:**  
Full

## Sensor

**Image Buffer:**  
128MB

**Sensor Format:**  
1.2"

**Resolution (Megapixels):**  
24.55

**Frame Rate (fps):**  
5.00

**Pixels (H x V):**  
5,328 x 4,608

**Pixel Size, H x V (µm):**  
2.74 x 2.74

**Sensing Area, H x V (mm):**  
14.599 x 12.626

**Imaging Sensor:**  
Sony IMX540

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Global

**Pixel Depth:**  
12 bit

**Exposure Time:**  
0.015ms - 2000ms

**Dynamic Range (dB):**  
70.00

**Machine Vision Standard:**  
GigE Vision

## Electrical

**Power Consumption (W):**  
1.8 - 5.2

## 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

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## Regulatory Compliance

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

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

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

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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+ 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

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