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

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IDS Imaging uEye+ FA IP65/67 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:** |
| ¼-20 with Tripod Mount Adapter **#19-694** |

Environmental & Durability Factors

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

| **Storage Temperature (°C):** |
| -20 to +60 |

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

REACH 241:
Contains SVHC(s)

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.

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