

IDS GV-51F0CP-M-GL, GigE, 1/1.8" Monochrome Camera

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IDS Imaging uEye+ GigE Cameras



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1

+

C\$1,072²⁶

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SPECIFICATIONS

General

Type:

Monochrome Camera

Model Number:

GV-51F0CP-M-GL	
IDS Imaging Development Systems	Manufacturer:
uEye+ CP	Camera Series:
Monochrome	Spectrum:
Physical & Mechanical Properties	
29 x 29 x 29 (excludes connectors and lens mount)	Dimensions (mm):
53	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
1/1.8"	Sensor Format:
5.10	Resolution (Megapixels):
24.00	Frame Rate (fps):
2,472 x 2,064	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
6.773 x 5.655	Sensing Area, H x V (mm):
Sony IMX547	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
0.02ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:
Electrical	
1.5 - 4.2	Power Consumption (W):
Hardware & Interface Connectivity	
GigE (PoE)	Interface:
GigE RJ45, screwable	Connector:
Power over Ethernet (PoE) or 12 - 24VDC via GPIO with #16-016	Power Supply:
2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Voltage Output, 1 Ground	GPIOs:
Hardware Trigger (GPIO); Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
8-pin Hirose connector (HR25-7TR-8PA(73))	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #35-088	Mounting Threads:
Environmental & Durability Factors	

0 to +55	Operating Temperature (°C):
-20 to +60	Storage Temperature (°C):

Regulatory Compliance

View	Certificate of Conformance:
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PRODUCT DETAILS

- Standard (SE) and Compact (CP) Housing Options Available
- C-Mount with Large Format CMOS Sensors up to 1.1"
- GenICam GigE Vision Compliant
- [IDS Imaging uEye CP/XCP/SE USB3 Cameras](#) Available

IDS Imaging uEye CP/SE GigE Cameras utilize IDS Imaging's [peak SDK platform](#) that supports GenICam and GigE Vision standards for ease of software development and integration. The CP cameras are the industry standard size of 29 x 29 x 29mm and work for almost any application. The SE cameras have a larger housing size of 34 x 44 x 47mm to allow for exceptional heat management and are ideal for noise and heat sensitive applications. IDS Imaging uEye CP/SE GigE Cameras feature a screwable 8-pin Hirose connector for trigger and flash as well as two GPIOs. These cameras are ideal for a variety of applications such as automation, automotive, medical technology, and logistics.

CALIBRATION SERVICES