

IDS GV-50C0CP-M-GL, GigE, 1/2.3" Monochrome Camera

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IDS Imaging uEye+ GigE Cameras



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1

+

£436⁰⁰

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SPECIFICATIONS

Monochrome

Spectrum:

General

Type:	
Monochrome Camera	
Model Number:	
GV-50C0CP-M-GL	
Manufacturer:	
IDS Imaging Development Systems	
Camera Series:	
uEye+ CP	
Physical & Mechanical Properties	
Dimensions (mm):	
29 x 29 x 29 (excludes connectors and lens mount)	
Weight (g):	
58	
Housing:	
Full	
Sensor	
Image Buffer:	
128MB	
Sensor Format:	
1/2.3"	
Resolution (Megapixels):	
2.35	
Frame Rate (fps):	
52.00	
Pixels (H x V):	
1,936 x 1,216	
Pixel Size, H x V (µm):	
3.45 x 3.45	
Sensing Area, H x V (mm):	
6.679 x 4.195	
Imaging Sensor:	
Sony IMX392	
Type of Sensor:	
Progressive Scan CMOS	
Shutter Type:	
Global	
Pixel Depth:	
12 bit	
Exposure Time:	
0.023ms - 2000ms	
Dynamic Range (dB):	
71.00	
Machine Vision Standard:	
GigE Vision	
Electrical	
Power Consumption (W):	
1.7 - 4.1	
Hardware & Interface Connectivity	
Interface:	
GigE (PoE)	
Connector:	
GigE RJ45, screwable	
Power Supply:	
Power over Ethernet (PoE) or 12 - 24VDC via GPIO with #16-016	
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 Hirose connector (HR25-7TR-8PA(73))	
Threading & Mounting	
Mount:	
C-Mbunt	
Mounting Threads:	
1/4-20 with Tripod Mount Adapter #35-088	
Environmental & Durability Factors	

0 to +55	Operating Temperature (°C):
-20 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

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.