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Allied Vision Prosilica GT2050 1" Monochrome CMOS Camera

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⊖ 1 ⊕ €2.810⁰⁰

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Product Downloads

Monochrome

Spectrum:

General

Monochrome Camera

Type:

GT 2050 B

Model Number:

Allied Vision

Manufacturer:

Prosilica GT

Camera Series:

Physical & Mechanical Properties

Dimensions (mm):
70.5 x 53.3 x 33 (excludes connectors and lens mount)

Weight (g):
210

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1"

Resolution (Megapixels):
4.20

Frame Rate (fps):
28.60

Pixels (H x V):
2,048 x 2,048

Pixel Size, H x V (µm):
5.5 x 5.5

Sensing Area, H x V (mm):
11.6 x 11.6

Imaging Sensor:
CMOSIS CMM4000

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8/12 bit

Exposure Time:
1µs - 126s

Dynamic Range (dB):
59.2

Machine Vision Standard:
GigE Vision V1.2, GenICam SFNC V1.2.1

Electrical

Power Consumption (W):
3.5 (12VDC External Power Supply)
4.3 (PoE)

Hardware & Interface Connectivity

Interface:
GigE (PoE)

Connector:
GigE, RJ45 with Screw Locks

Power Supply:
Power Supply Required and Sold Separately:
USA: [#15-281](#)
Europe: [#15-281](#)
Japan: [#15-281](#)
China: [#15-281](#)

GPIOs:
1 opto-isolated input, 2 opto-isolated outputs, 1 non-isolated input, 2 non-isolated outputs

Synchronization:
Hardware Trigger (GPIO) or Software Trigger

Interface Port Orientation:
Back Panel

GPIO Connector Type:
12-pin Hirose (HR10)

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter [#87-412](#)

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +65

-20 to +70

Storage Temperature (°C):

Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Compliant](#)

Reach 240:

Product Details

PoE Injector ([#68-469](#)) or power supply and GigE cable, such as [#63-431](#), are required for operation.

- Rugged PoE (Power Over Ethernet) Cameras for Extreme Environments
- Precise (P-Iris) and DC Auto Iris Control
- Up to 31.4 MegaPixel Resolution
- C-Mount, F-Mount, and TFL-Mount Options

Allied Vision Prosilica GT Series GigE Cameras are designed for the harshest environments and fluctuating light conditions. Capable of operating in extreme temperatures ranging from -20° to 60°C, Allied VSION Prosilica GT Series GigE Cameras are ideal for ITS and traffic imaging, machine vision, industrial inspection, security, or surveillance applications. Allied Vision Prosilica GT Series GigE Cameras feature both P-Iris and DC auto iris control for maintaining image quality, and support power over Ethernet for easy implementation.

Note: PoE Injector ([#68-469](#)) or power supply and GigE cable, such as [#63-431](#), are required for operation.
