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# Allied Vision Prosilica GT2050 1" Monochrome CMOS Camera

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- 1 + £2,248<sup>00</sup>

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### Volume Pricing

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**Note:** This item requires accessories for use | [Learn More](#)

### 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 CM4000

**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):

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## Regulatory Compliance

[Compliant](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

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[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 Vision 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 [#68-470](#), are required for operation.