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Allied Vision Alvium G5-1620m, 1.1" 16.2MP C-Mount, 5GigE PoE Monochrome Camera

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Stock #23-635 **5 In Stock**

⊖ 1 ⊕ A\$3,264.⁰⁰

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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

Alvium G5-1620m **Model Number:**

Allied Vision **Manufacturer:**

Alvium G5 Camera Series:

Physical & Mechanical Properties

Dimensions (mm):
60 × 29 × 29

Weight (g):
100

Housing:
Full

Sensor

Image Buffer:
512KB

Sensor Format:
1.1"

Resolution (Megapixels):
16.20

Frame Rate (fps):
30.00

Pixels (H x V):
5,328 x 3,040

Pixel Size, H x V (µm):
2.74 x 2.74

Sensing Area, H x V (mm):
14.59 x 8.33

Imaging Sensor:
Sony IMX542

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
8/10/12 Bit

Exposure Time:
23 µs to 10 s

Dynamic Range (dB):
Not Specified

Machine Vision Standard:
GigE Vision V2.2, GenICam V2.0

Electrical

Power Consumption (W):
External power: 7.0 W at 12 VDC | Power over Ethernet: 7.5 W

Hardware & Interface Connectivity

Interface:
5GigE (PoE)

Connector:
5GigE, RJ45 with Screw Locks

Power Supply:
PoE, 12 to 24 VDC via GPIO, or with external power supply #23-581

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

Synchronization:
Hardware Trigger (GPIO) or Software Trigger

Interface Port Orientation:
Back Panel

GPIO Connector Type:
10-pin TFM

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼"-20 and M6 with Tripod Mount Adapter [#14-156](#)

Environmental & Durability Factors

Operating Temperature (°C):
+5 to +60

Storage Temperature (°C):
-20 to +85

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 240:**

Product Details

- 4.2 Times More Bandwidth than GigE
- Up to 24.6MP Resolution with Framrates up to 691 FPS
- Onboard Image Processing and Expansive Feature Sets

Allied Vision Avium G5 5GigE PoE Cameras feature a lightweight, compact form factor and combines the advantages of the established 5GigE Vision standard with the flexibility of the Avium platform. Powered by ALMUM® Technology, the sugar cube style camera delivers high image quality at a low power consumption. These cameras feature the latest industrial standard hardware and can easily be integrated into any USB3 Vision or GigE Vision system while ensuring long-term availability and reliability. With precision sensor alignment, enhanced cleanliness, fixed pattern noise correction, and defect pixel correction, resolutions up to 24.6MP and framerates up to 691 FPS are available. Allied Vision Avium G5 5GigE PoE Cameras feature a gigabit ethernet port on the back panel and are available in a variety of monochrome and color options with either C-Mount or S-Mount lens interfaces all in the compact sugar cube format.