

Allied Vision Alvium G5-291m, 2/3" 2.9MP C-Mount, 5GigE PoE Monochrome Camera

A red and black industrial projector, likely a laser level, is shown from a side-on perspective. It features a large, circular lens with a silver-colored, ribbed protective cover. The device is mounted on a black, textured base. The entire unit is reflected on a dark, glossy surface below it. The background is a solid dark gray.



! Price inclusive of all taxes

Volume Pricing	
Qty 1+	₹1,54,580 each
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Monochrome **Spectrum:**

Monochrome

Type: Monochrome Camera

Monochrome Camera

Model Number:

Alvium G5-291m

Manufacturer:

Allied Vision	
Alvium G5	Camera Series:
Physical & Mechanical Properties	
60 × 29 × 29	Dimensions (mm):
100	Weight (g):
Full	Housing:
Sensor	
512KB	Image Buffer:
2/3"	Sensor Format:
2.90	Resolution (Megapixels):
166.00	Frame Rate (fps):
1,944 x 1,472	Pixels (H x V):
4.5 x 4.5	Pixel Size, H x V (µm):
8.75 x 6.62	Sensing Area, H x V (mm):
Sony IMX421	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
17 µs to 10 s	Exposure Time:
Not Specified	Dynamic Range (dB):
GigE Vision V2.2, GenICam V2.0	Machine Vision Standard:
Electrical	
External power: 6.6 W at 12 VDC Power over Ethernet: 7.2 W	Power Consumption (W):
Hardware & Interface Connectivity	
5GigE (PoE)	Interface:
5GigE, RJ45 with Screw Locks	Connector:
PoE, 12 to 24 VDC via GPIO, or with external power supply #23-581	Power Supply:
1 opto-isolated input, 1 opto-isolated output, 2 non-isolated GPIOs	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
10-pin TFM	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
¼"-20 and M6 with Tripod Mount Adapter #14-156	Mounting Threads:
Environmental & Durability Factors	
+5 to +60	Operating Temperature (°C):
-20 to +85	Storage Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:
Germany	Country of Origin:
Imported By:	
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	

Product Details

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

Allied Vision Alvium G5 5GigE PoE Cameras feature a lightweight, compact form factor and combines the advantages of the established 5GigE Vsion standard with the flexibility of the Alvium platform. Powered by ALVUM® 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 Vsion 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 Alvium 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-Mbunt or S-Mbunt lens interfaces all in the compact sugar cube format.