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Allied Vision Alvium G5-510m, 1/1.8" 5.1MP C-Mount, 5GigE PoE Monochrome Camera

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S\$1,428^{.00}

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SPECIFICATIONS

Monochrome

Spectrum:

General

Monochrome Camera

Type:

Model Number:

Alvium G5-510m	
Manufacturer:	Allied Vision
Camera Series:	Alvium G5
Physical & Mechanical Properties	
Dimensions (mm):	60 × 29 × 29
Weight (g):	95
Housing:	Full
Sensor	
Image Buffer:	512KB
Sensor Format:	1/1.8"
Resolution (Megapixels):	5.10
Frame Rate (fps):	81.00
Pixels (H x V):	2,464 x 2,064
Pixel Size, H x V (µm):	2.74 x 2.74
Sensing Area, H x V (mm):	6.75 x 5.66
Imaging Sensor:	Sony IMX548
Type of Sensor:	Progressive Scan CMOS
Shutter Type:	Global
Pixel Depth:	12 bit
Exposure Time:	14 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: 6.2 W at 12 VDC Power over Ethernet: 6.9 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:
	Certificate of Conformance:
View	
Compliant	Reach 240:

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 Vision standard with the flexibility of the Alvium 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 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-Mount or S-Mount lens interfaces all in the compact sugar cube format.