



Alvium G5

Alvium G5-2460

Alvium G5-2460 innovative 5GBASE-T camera with Sony IMX540 CMOS global shutter sensor provides industrial performance for cost effective machine vision applications.

General

Model	Alvium G5-2460
Product series	Alvium G5
Status	Available

Sensor

Sensor type	Area scan
Chroma	Mono or Color
Spectrum	Visible
Spectral range	300 nm to 1100 nm
Resolution	5,328 × 4,608 (24.60 MP)
Sensor model	Sony IMX540
Sensor architecture (material)	CMOS
Shutter type(s)	Global Shutter
Sensor size	21.43 mm ø (Type 1.2)
Pixel size	2.74 µm × 2.74 µm

Pixel formats

Sensor bit depth	12-bit
Monochrome pixel formats	Mono8, Mono10, Mono10p, Mono12, Mono12p, Mono12Packed
YUV pixel formats	YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr
RGB pixel formats	RGB8 (default), BGR8
Bayer pixel formats	BayerRG8, BayerRG10, BayerRG10p, BayerRG12, BayerRG12p, BayerRG12Packed

Imaging performance

Quantum efficiency @ 529 nm 68 %

Timing and gain

Max. frame rate 21 fps

I/Os and power

Non-isolated lines 2 GPIOs (LVTTTL)

Opto-isolated lines 1 input, 1 output

Power supply 10.8 to 26.4 VDC AUX | IEEE 802.3af, Power Class 0 PoE

Power consumption External power: 6.9 W at 12 VDC (typical) | Power over Ethernet: 7.7 W (typical)

Operating conditions

Operating temperature (housing) -20 °C to 60 °C (housing temperature)

Mechanical properties

Body dimensions (L x W x H in mm) 60 × 29 × 29

Lens mount(s) C-Mount, CS-Mount

Weight 100 g

On-board memory and FPGA

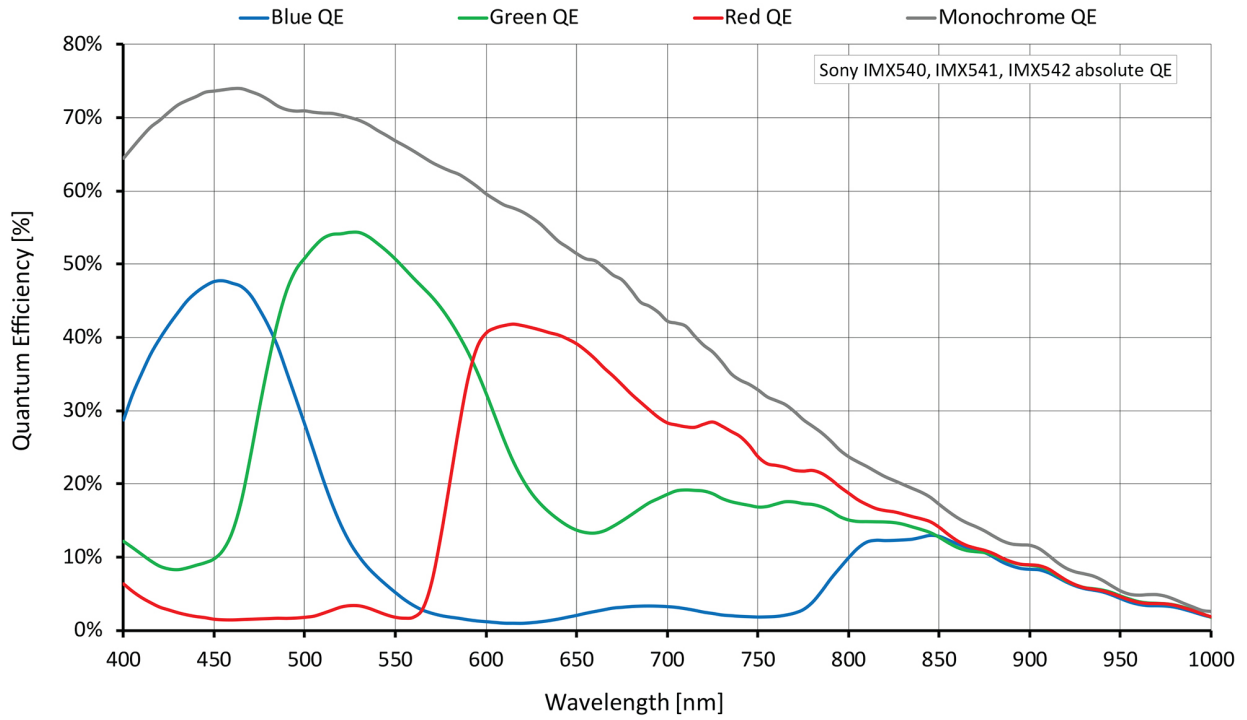
Image buffer (RAM) 512 MByte

Non-volatile memory (Flash) 1024 KByte

Interfaces

Digital interface IEEE 802.3: 5GBASE-T or 2.5GBASE-T (NBASE-T) and 1000BASE-T, IEEE 802.3af Power Class 0 PoE

Quantum Efficiency



Technical Drawing

