

# Alvium G5

## Alvium G5-508 Pol



Alvium G5-508 Pol innovative 5GBASE-T camera with Sony IMX250MZR CMOS global shutter sensor provides industrial performance for cost effective machine vision applications.

### General

Model:	Alvium G5-508 Pol
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:	2,464 × 2,056 (5.10 MP)
Sensor model:	Sony IMX250 Polarizer
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	12.75 mm $\varnothing$ (Type 2/3)
Pixel size:	3.45 $\mu\text{m}$ × 3.45 $\mu\text{m}$

### Pixel formats

Sensor bit depth:	8-bit, 10-bit, 12-bit; Adaptive (10-bit, 12-bit)
Monochrome pixel formats:	Mono8, Mono10, Mono10p, Mono12, Mono12p, Mono12Packed

## Pixel formats

Bayer pixel formats: BayerRG8, BayerRG10, BayerRG10p, BayerRG12, BayerRG12p, BayerRG12Packed

## Timing and gain

Max. frame rate: 95 fps

## I/Os and power

Non-isolated lines: 2 GPIOs (LVTTL)

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: 6.1 W at 12 VDC (typical) | Power over Ethernet: 7.0 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

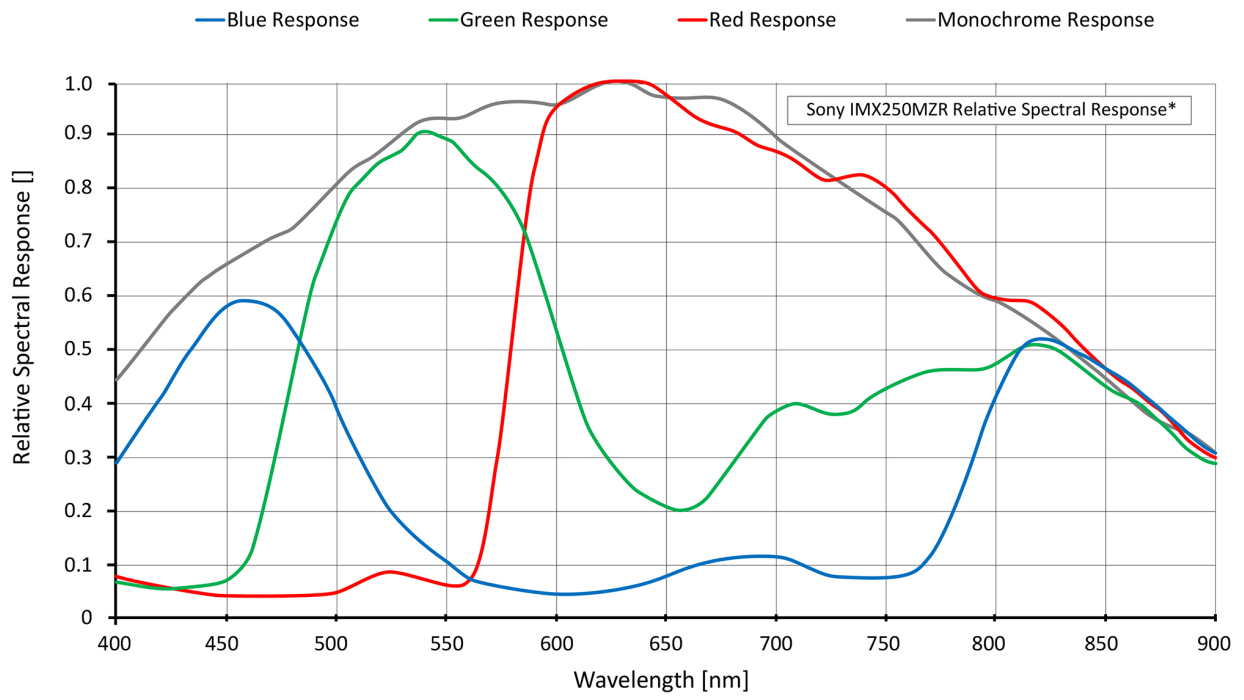
Image buffer (RAM): 512 MByte

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



\*Note: The spectral response depends on the illumination's degree of polarization.

