

Alvium G1

Alvium G1-812 UV



Alvium G1-812 UV innovative GigE camera with Sony IMX487 CMOS global shutter sensor provides industrial performance for cost effective machine vision applications.

General

Model:	Alvium G1-812 UV
Product series:	Alvium G1
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	UV
Spectral range:	200 nm to 1000 nm
Resolution:	2,848 × 2,848 (8.10 MP)
Sensor model:	Sony IMX487
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	12.75 mm ø (Type 2/3)
Pixel size:	2.74 µm × 2.74 µm

Pixel formats

Sensor bit depth:	12-bit
Monochrome pixel formats:	Mono8 (default), Mono10, Mono10p, Mono12, Mono12p, Mono12Packed

Timing and gain

Max. frame rate: 14 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: 4.0 W at 12 VDC (typical) | Power over Ethernet: 4.6 W (typical)

Operating conditions

Operating temperature (housing): -20 °C to 65 °C (housing)

Mechanical properties

Body dimensions (L x W x H in mm): 41 × 29 × 29

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

Weight: 70 g

On-board memory and FPGA

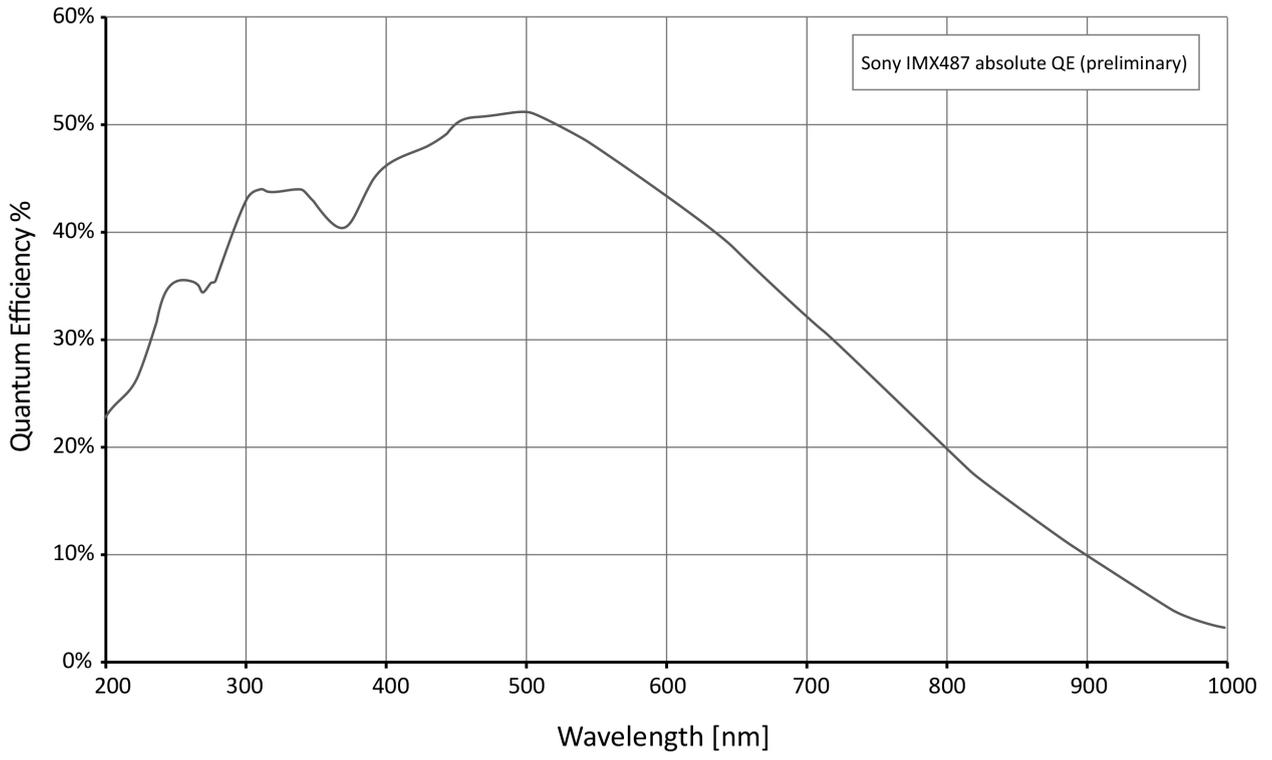
Image buffer (RAM): 32 MByte

Non-volatile memory (Flash): 1024 KByte

Interfaces

Digital interface: IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)

Quantum Efficiency



Technical Drawing

