Allied Vision

Alvium C

Alvium 1800 C-812 UV



Alvium 1800 C-812 UV innovative MIPI CSI-2 camera with Sony IMX487 CMOS global shutter sensor provides industrial performance for cost effective embedded applications.

General

Model	Alvium 1800 C-812 UV
Product series	Alvium C
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 (GS)
Sensor size	7.8 × 7.8 mm (11 mm, Type 2/3)
Pixel size	2.74 µm × 2.74 µm

Pixel formats

Sensor bit depth	12-bit
Monochrome pixel formats	GREY, RAW10, RAW12, RAW8, Y10, Y12

Timing and gain

Max. frame rate	58 fps
Exposure time	8 µs to 10 s
Gain	0.0 dB to 48.0 dB

I/Os and power

Non-isolated lines	2 programmable GPIOs
Power supply	5 VDC over MIPI CSI-2
Power consumption	Typical: 3.7 W

Operating conditions

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

Mechanical properties

Body dimensions (L x W x H in mm)	26 × 29 × 29
Lens mount(s)	C-Mount, CS-Mount
Weight	40 g

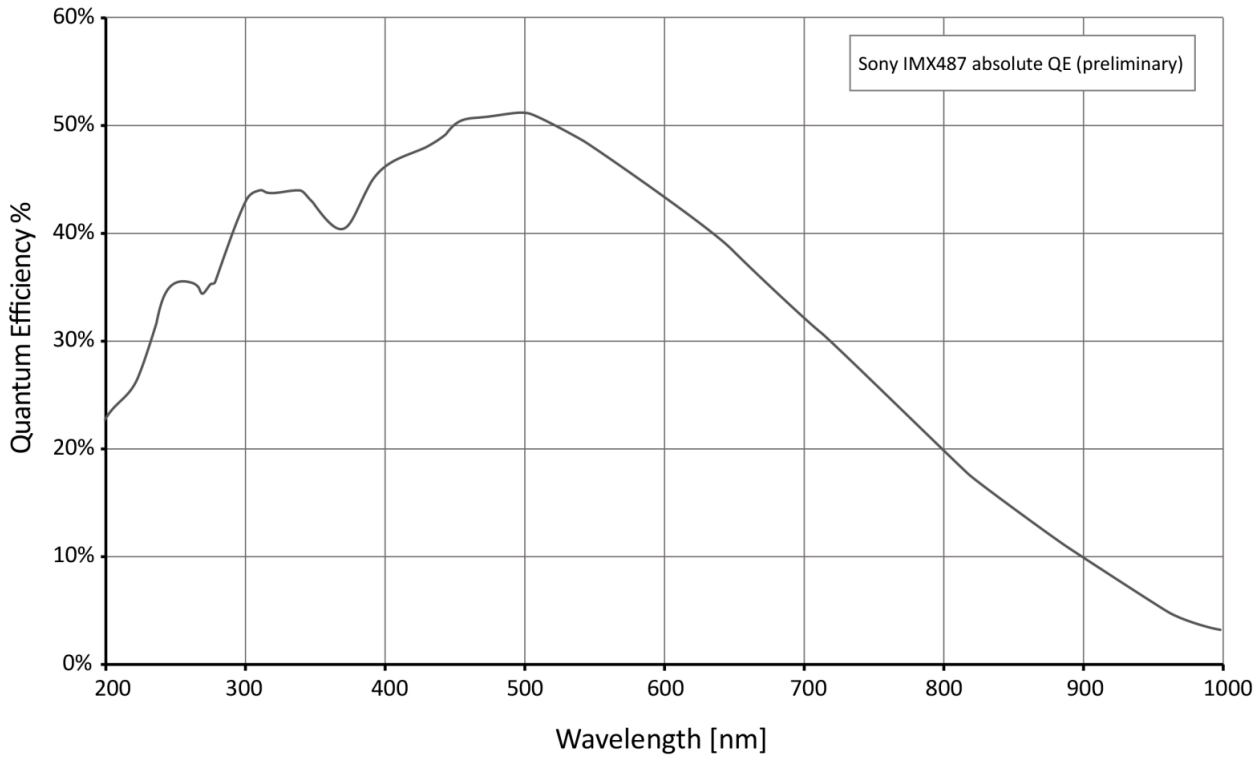
On-board memory and FPGA

Image buffer (RAM)	256 KByte
Non-volatile memory (Flash)	1024 KByte

Interfaces

Digital interface	MIPI CSI-2, up to 4 lanes

Quantum Efficiency



Technical Drawing

