

# Alvium 1800 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 1800 C
Status:	Available

### Sensor

Sensor type:	Area scan
Spectrum:	UV
Spectral range:	200 nm to 1000 nm
Resolution:	2,848 × 2,848 (8.10 MP)
Sensor model:	Sony IMX487
Shutter type(s):	Global Shutter
Sensor size:	12.75 mm $\varnothing$ (Type 2/3)
Pixel size:	2.74 $\mu\text{m}$ × 2.74 $\mu\text{m}$

### Pixel formats

Monochrome pixel formats:	GREY, RAW10, RAW12, RAW8, Y10, Y12
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### Timing and gain

Max. frame rate:	58 fps
Exposure time:	8 $\mu\text{s}$ to 10 s

## Timing and gain

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



