

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 μm × 2.74 μm |

Pixel formats

| | |
|---------------------------|------------------------------------|
| Monochrome pixel formats: | GREY, RAW10, RAW12, RAW8, Y10, Y12 |
|---------------------------|------------------------------------|

Timing and gain

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|------------------|-------------------------|
| Max. frame rate: | 58 |
| Exposure time: | 8 μs 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



