



Alvium 1800 C

Alvium 1800 C-812 UV Monochrome, Bare Board

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.

Configuration: 17552

General

Model:	Alvium 1800 C-812 UV
Product code:	17552
Product series:	Alvium 1800 C
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Monochrome
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
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Timing and gain

Max. frame rate:	58
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 85 °C
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Mechanical properties

Housing:	Bare Board
Body dimensions (L x W x H in mm):	8 × 26 × 26 mm
Lens mount(s):	-
Weight:	10 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
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