Allied Vision

Alvium C

Alvium 1800 C-130 VSWIR



Alvium 1800 C-130 VSWIR innovative MIPI CSI-2 camera with Sony IMX990 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded vision applications.

Allgemein

Modell	Alvium 1800 C-130 VSWIR
Produktserie	Alvium C
Status	Available

Sensor

Sensortyp	Area scan
Chroma	Mono
Spektrum	SWIR, Visible SWIR
Spektralbereich	400 nm to 1700 nm
Auflösung	1,296 × 1,032 (1.30 MP)
Sensormodell	Sony IMX990 | InGaAs
Sensorarchitektur (Material)	cmos-ingaas
Verschlusstyp(en)	Global shutter (GS)
Sensorgröße	6.4 × 5.1 mm (8.2 mm, Type 1/2)
Pixelgröße	5.00 µm × 5.00 µm

Pixelformate

Sensor-Bittiefe	10-bit, 12-bit, 8-bit
Monochrome Pixelformate	GREY, Mono8 (default), RAW10, RAW12, RAW8 (default), Y10, Y12

Timing und Verstärkung

Max. Bildrate	130 fps
Belichtungszeit	15 µs to 10 s
Verstärkung	0.0 dB to 42.0 dB

I/Os und Stromversorgung

Nicht-isolierte Leitungen	2 programmable GPIOs
Stromversorgung	5 VDC over MIPI CSI-2
Stromverbrauch	Typical: 1.9 W

Betriebsbedingungen

Betriebstemperatur (Gehäuse)	-20 °C to 55 °C ((housing))

Mechanische Eigenschaften

Gehäuseabmessungen (L x B x H in mm)	26 × 29 × 29
Objektivanschluss/-anschlüsse	C-Mount, CS-Mount, S-Mount
Gewicht	40 g

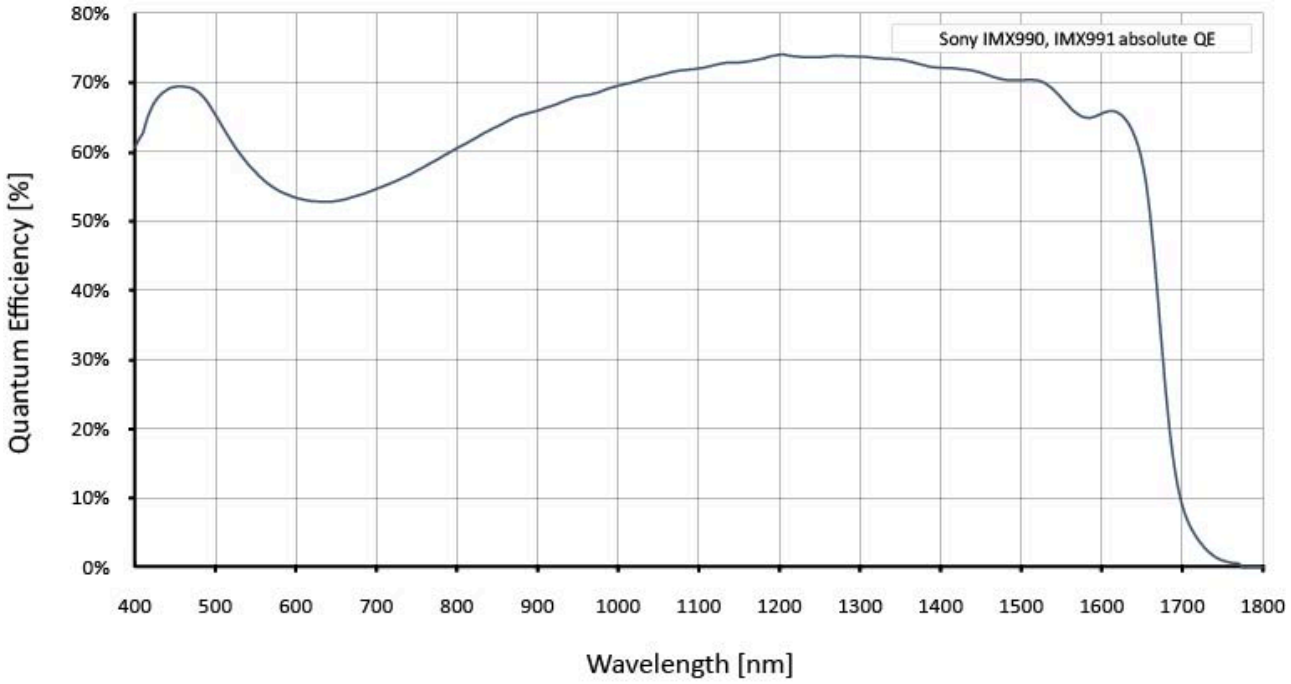
Onboard-Speicher und FPGA

Bildpuffer (RAM)	256 KByte
Nichtflüchtiger Speicher (Flash)	1024 KByte

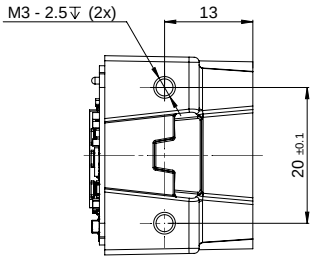
Schnittstellen

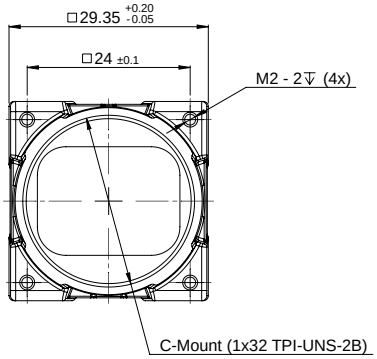
Digitale Schnittstelle	MIPI CSI-2, up to 4 lanes

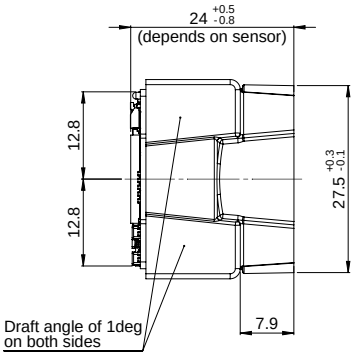
Quanteneffizienz

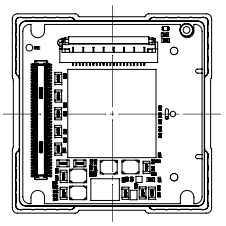


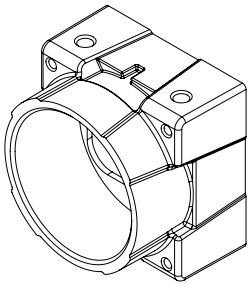
Technische Zeichnung

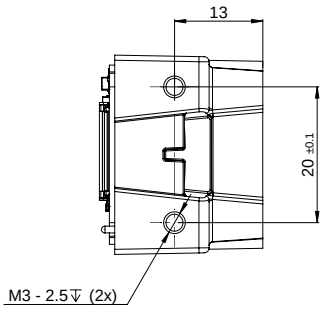


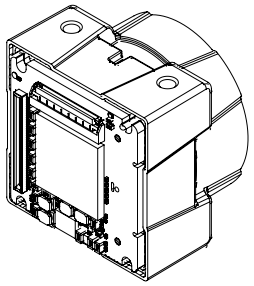












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