Allied Vision

Alvium FP3

Alvium FP3-320 VSWIR



Preliminary product information. Features and technical specifications are subject to change without notice.

Alvium FP3-320 VSWIR innovative FPD-Link III camera with Sony IMX993 SenSWIR InGaAs global shutter sensor provides industrial performance for cost effective embedded vision applications.

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常规

型号	Alvium FP3-320 VSWIR
产品系列	Alvium FP3
状态	Prototype/engineering sample

传感器

传感器类型	Area scan
色度	Mono
光谱	SWIR, Visible SWIR
光谱范围	400 nm to 1700 nm
分辨率	2,080 × 1,544 (3.20 MP)
传感器型号	Sony IMX993 | InGaAs
传感器架构（材料）	cmos-ingaas
快门类型	Global shutter (GS)
传感器尺寸	7.2 × 5.3 mm (8.9 mm, Type 1/1.8)
像素尺寸	3.45 µm × 3.45 µm

像素格式

传感器位深度	10-bit, 12-bit, 8-bit
单色像素格式	GREY, RAW10, RAW12, RAW8, Y10, Y12

时序与增益

最大帧率	Mainly depends on hardware and register settings.
曝光时间	33 µs to 10 s
增益	0.0 dB to 42.0 dB

I/O与电源

非电气隔离IO	2 programmable GPIOs
I/O接口	Coax, STP
电源供应	5 VDC over MIPI CSI-2
功耗	Value for the integrated serializer adds to CSI-2 model value.

工作条件

工作温度（外壳	-20 °C to 65 °C ((housing))

机械特性

机身尺寸（L x W x H mm）	41 × 29 × 29
镜头接口	C-Mount, CS-Mount
重量	70 g

板载内存与FPGA

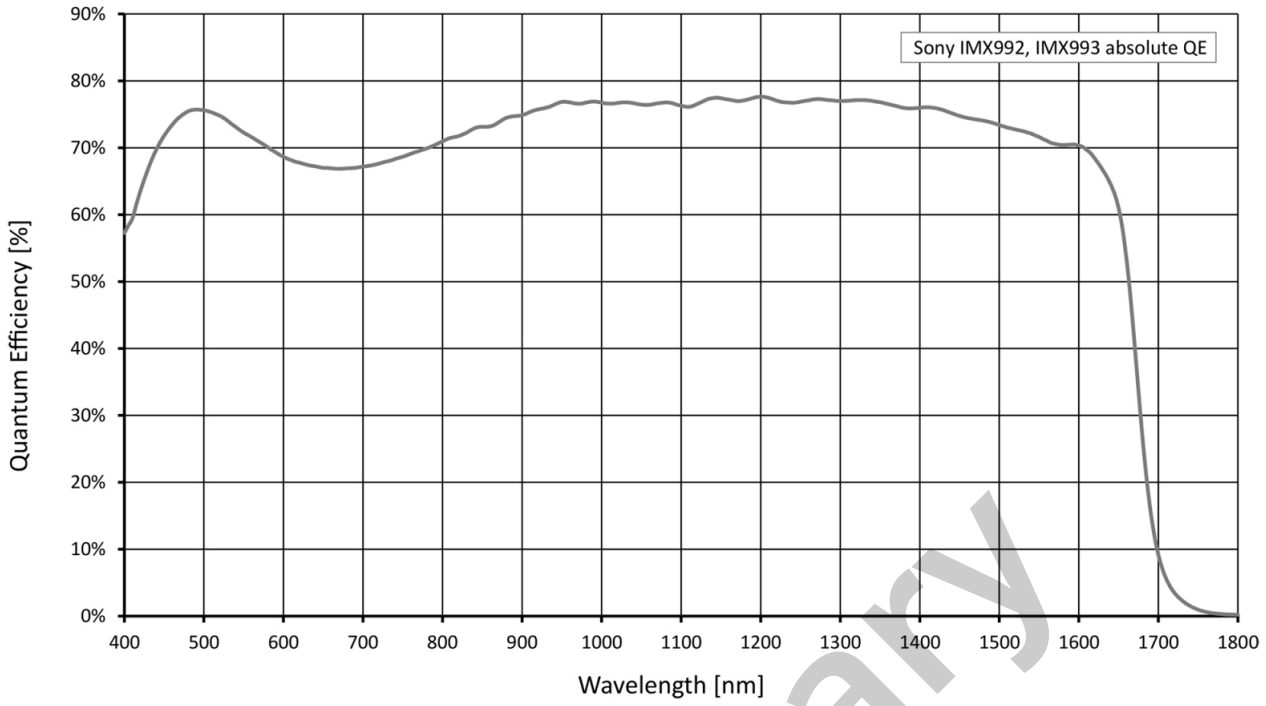
图像缓存（RAM）	256 KByte
非易失性存储器（闪存）	1024 KByte

接口

数字接口	FPD-Link III, based on MIPI CSI-2, up to 4 lanes

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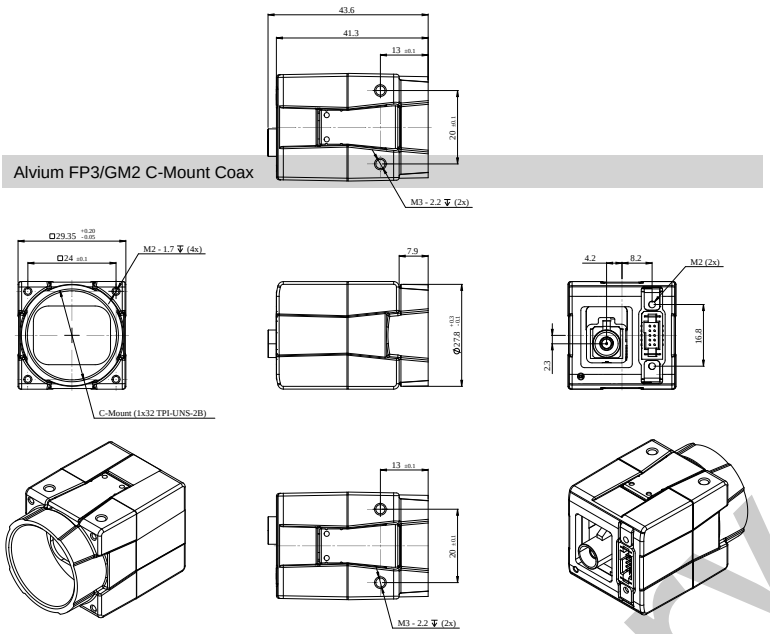
Quantum Efficiency



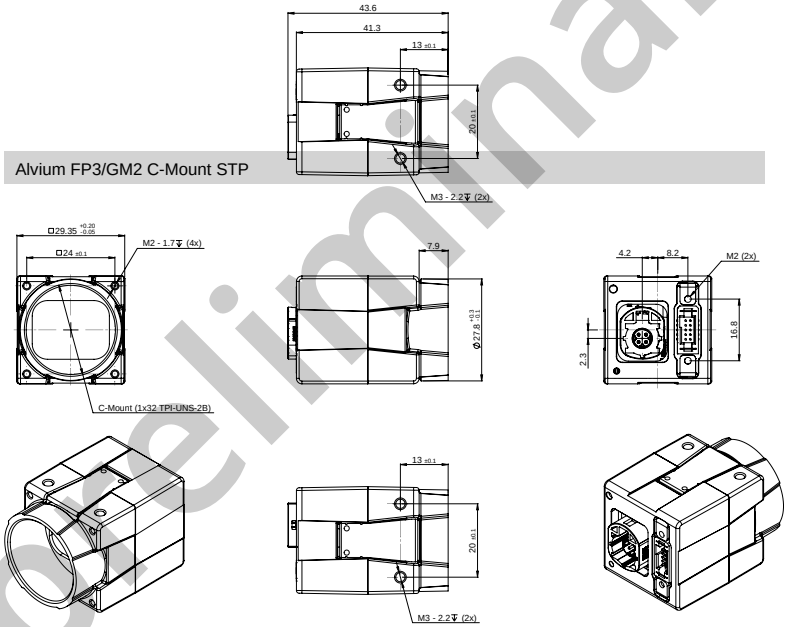
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Technical Drawing

Alvium FP3/GM2 C-Mount Coax



Alvium FP3/GM2 C-Mount STP



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