

# Alvium FP3

Alvium FP3-203



Alvium FP3-203 innovative FPD-Link III camera with Sony IMX422 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

## 常规

型号:	Alvium FP3-203
产品系列:	Alvium FP3
状态:	Available

## 传感器

传感器类型:	Area scan
色度:	Mono or Color
光谱:	Visible
光谱范围:	300 nm to 1100 nm
分辨率:	1,632 × 1,248 (2.00 MP)
传感器型号:	Sony IMX422
快门类型:	Global Shutter
传感器尺寸:	9.33 mm $\varnothing$ (Type 1/1.7)
像素尺寸:	4.50 $\mu\text{m}$ × 4.50 $\mu\text{m}$

## 像素格式

单色像素格式:	GREY, RAW10, RAW12, RAW8, Y10, Y12
YUV像素格式:	UYVY, YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr, YUV422 8-bit
RGB像素格式:	BGR8, RGB3, RGB8 (default), RGB888 (default)

## 像素格式

拜耳像素格式: BayerGR10, BayerGR10p, BayerGR12, BayerGR12p, BayerGR8

## 时序与增益

曝光时间: 18  $\mu$ s to 10 s

增益: 0.0 dB to 48.0 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 x 29 x 29

镜头接口: C-Mount, CS-Mount

重量: 70 g

## 板载内存与FPGA

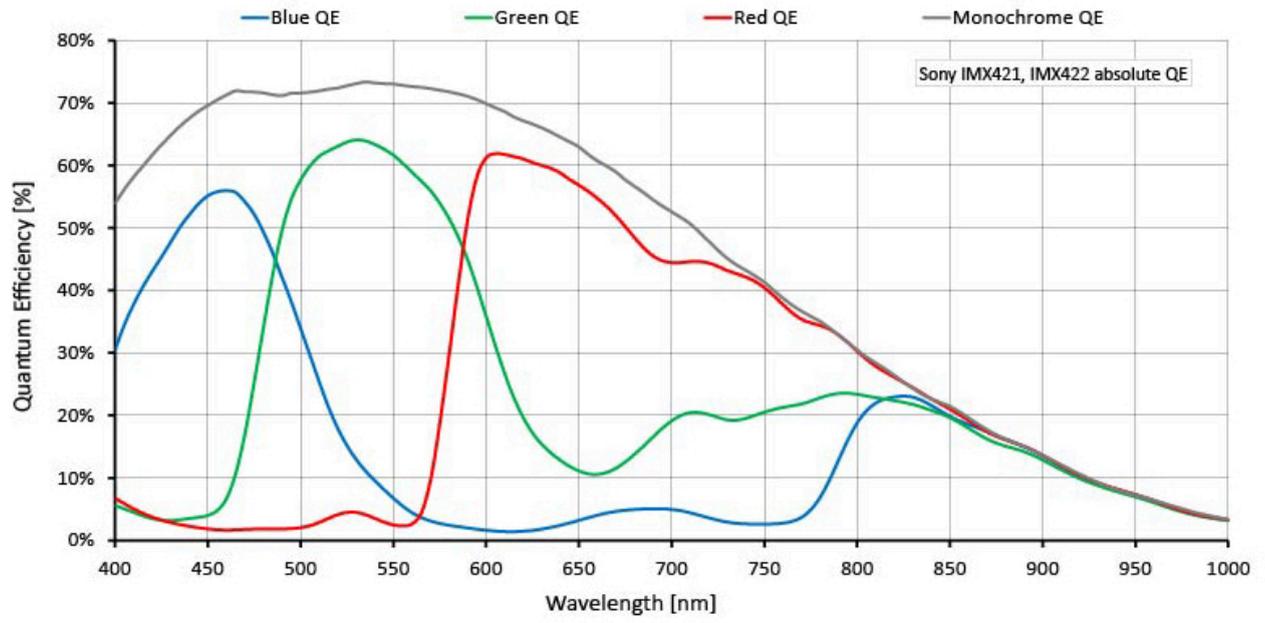
图像缓存 (RAM) : 256 KByte

非易失性存储器 (闪存) : 1024 KByte

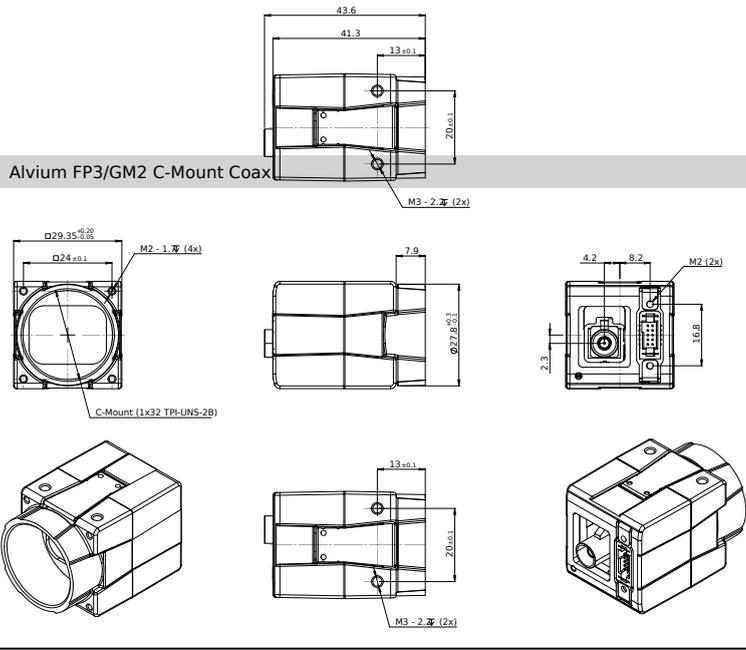
## 接口

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

# Quantum Efficiency



Alvium FP3/GM2 C-Mount Coax



Alvium FP3/GM2 C-Mount STP

