Alvium G5

Alvium G5-240



Alvium G5-240 innovative 5GBASE-T camera with Sony IMX392 CMOS global shutter sensor provides industrial performance for cost effective embedded and machine vision applications.

□□	
□□	Alvium G5-240
□□□□	Alvium G5
□□	Available

□□□	
□□□□□	Area scan
□□	Color, Mono
□□	Visible
□□□□	300 nm to 1100 nm
□□□	1,936 × 1,216 (2.40 MP)
□□□□□	Sony IMX392
□□□□□ (□□)	cmos
□□□□	Global shutter (GS)
□□□□□	6.7 × 4.2 mm (7.9 mm, Type 1/2.3)
□□□□	3.45 µm × 3.45 µm

□□□□	
□□□□□	10-bit, 12-bit, 8-bit
YUV □□□□	YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr
RGB □□□□	BGR8, RGB8 (default)
Bayer □□□□	BayerRG12

□□□□	
□□□□ @ 529 nm	64 %

□□□□□

□□□□□	191 fps
□□□□	26 µs to 10 s
□□	0.0 dB to 48.0 dB

I/O □□□

□□□□	2 GPIOs (LVTTL)
□□□□	1 input, 1 output
□□□□	10.8 to 26.4 VDC AUX | IEEE 802.3af, Power Class 0 PoE
□□	External power: 6.0 W at 12 VDC (typical) | Power over Ethernet: 6.5 W (typical)

□□□□

□□□□	-20 °C to 60 °C (□□)

□□□□

□□□□ (□ x □ x □ mm)	60 × 29 × 29
□□□□	C-Mount, CS-Mount, S-Mount
□□	100 g

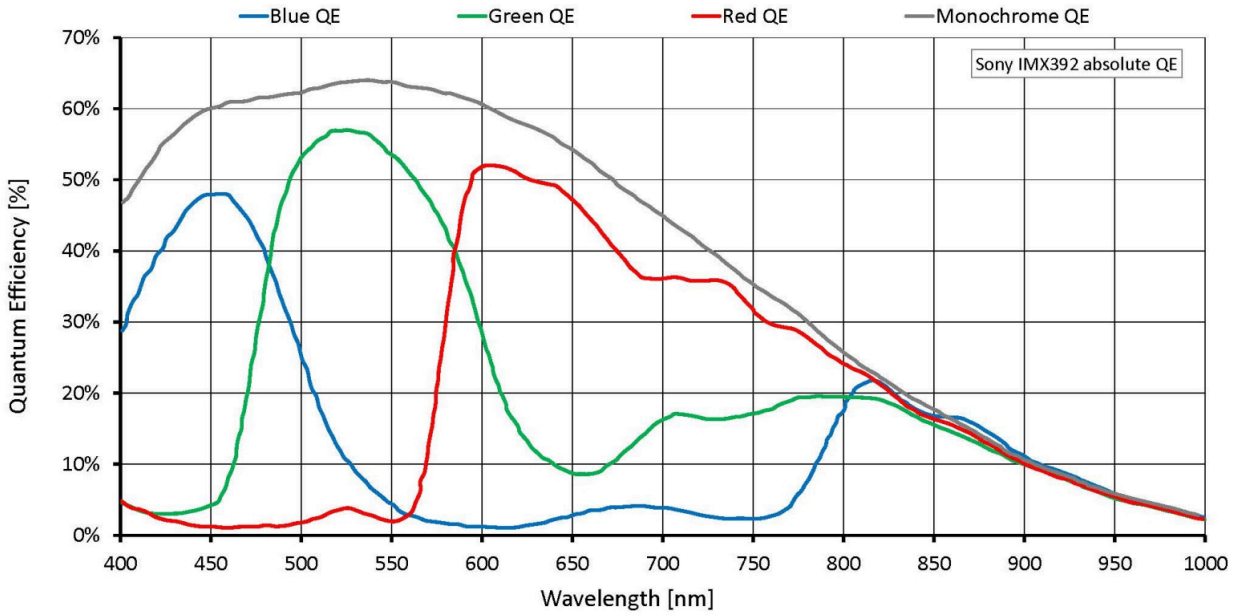
□□□□□□ FPGA

□□□□□ (RAM)	512 MByte
□□□□□□□□ (Flash)	1024 KByte

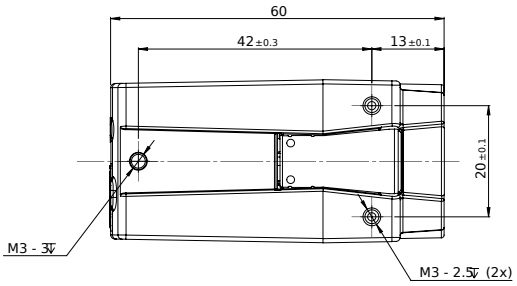
□□

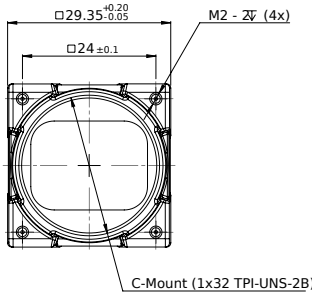
□□□□	IEEE 802.3: 5GBASE-T or 2.5GBASE-T (NBASE-T) and 1000BASE-T, IEEE 802.3af Power Class 0 PoE

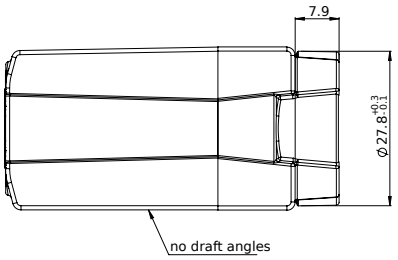
□□□□

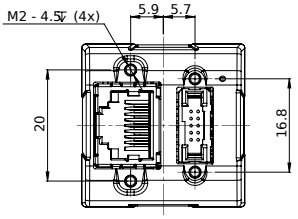

Blue QE
Green QE
Red QE
Monochrome QE
Sony IMX392 absolute QE
Quantum Efficiency [%]
70%
60%
50%
40%
30%
20%
10%
0%
400
450
500
550
600
650
700
750
800
850
900
950
1000
Wavelength [nm]

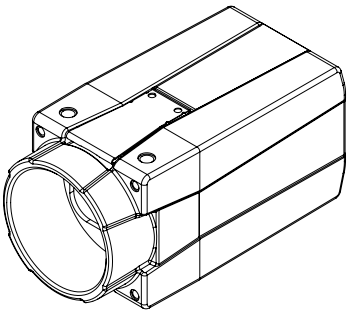
□□□□

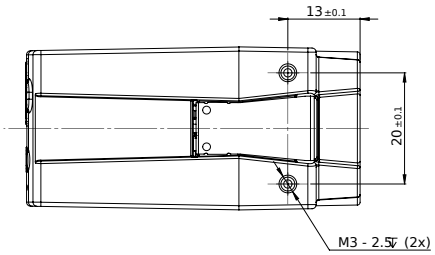

60
42 ±0.3
13 ±0.1
20 ±0.1
M3 - 3↧
M3 - 2.5↧ (2x)


□29.35 +0.20 -0.05
□24 ±0.1
M2 - 2↧ (4x)
C-Mount (1x32 TPI-UNS-2B)


7.9
Ø27.8 +0.3 -0.1
no draft angles


M2 - 4.5↧ (4x)
5.9
5.7
20
16.8




13 ±0.1
20 ±0.1
M3 - 2.5↧ (2x)

