

Allied Vision

EoSens CoaXPress-12

EoSens1.1CCX12-FM

一般	
型號	EoSens1.1CCX12-FM
產品編號	F006004
產品系列	EoSens CoaXPress-12
狀態	Available

感測器	
感測器類型	Area scan
色度	Color
光譜	Visible
光譜範圍	400 nm to 1000 nm
解析度	1,280 × 864 (1.10 MP)
感測器型號	Luxima LUX13HS
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	17.54 × 11.84 mm (21.16 mm, Type 4/3)
像素大小	13.70 µm × 13.70 µm

像素格式	
感測器位深	8-bit, 10-bit
RGB 像素格式	bayer8, bayer10

時序與增益	
最大影格率	3674 fps
最大影格率 ROI 模式	1280 x 864 | 3674 fps, 1280 x 768 | 4151 fps, 640 x 480 | 6576 fps, 128 x 128 | 23821 fps, x | 224673 fps,
曝光時間	2 µs to 1 s
增益	0.0 dB to 18.0 dB

I/O 與電源

非隔離線	0 x LVDS input, 0 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 0 x Open drain output,
特定非隔離線	0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output,
光隔離線	0 x Optical isolated input, 0 x Optical isolated input,
I/O 連接器	12-pin Hirose HR10A-10P-12S
電源供應	12 to 24VDC, Power over CoaXPress
功耗	External: 14 W (typical)

操作條件

操作溫度	-10 °C to 45 °C (環境，無冷凝)

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	83 × 80 × 80
防護等級	IP30
鏡頭接口	F-Mount
重量	550 g

介面

數位介面	cxp-12 with 4 connections
介面連接器	(micro-BNC)
視覺標準	CoaXPress 2.0

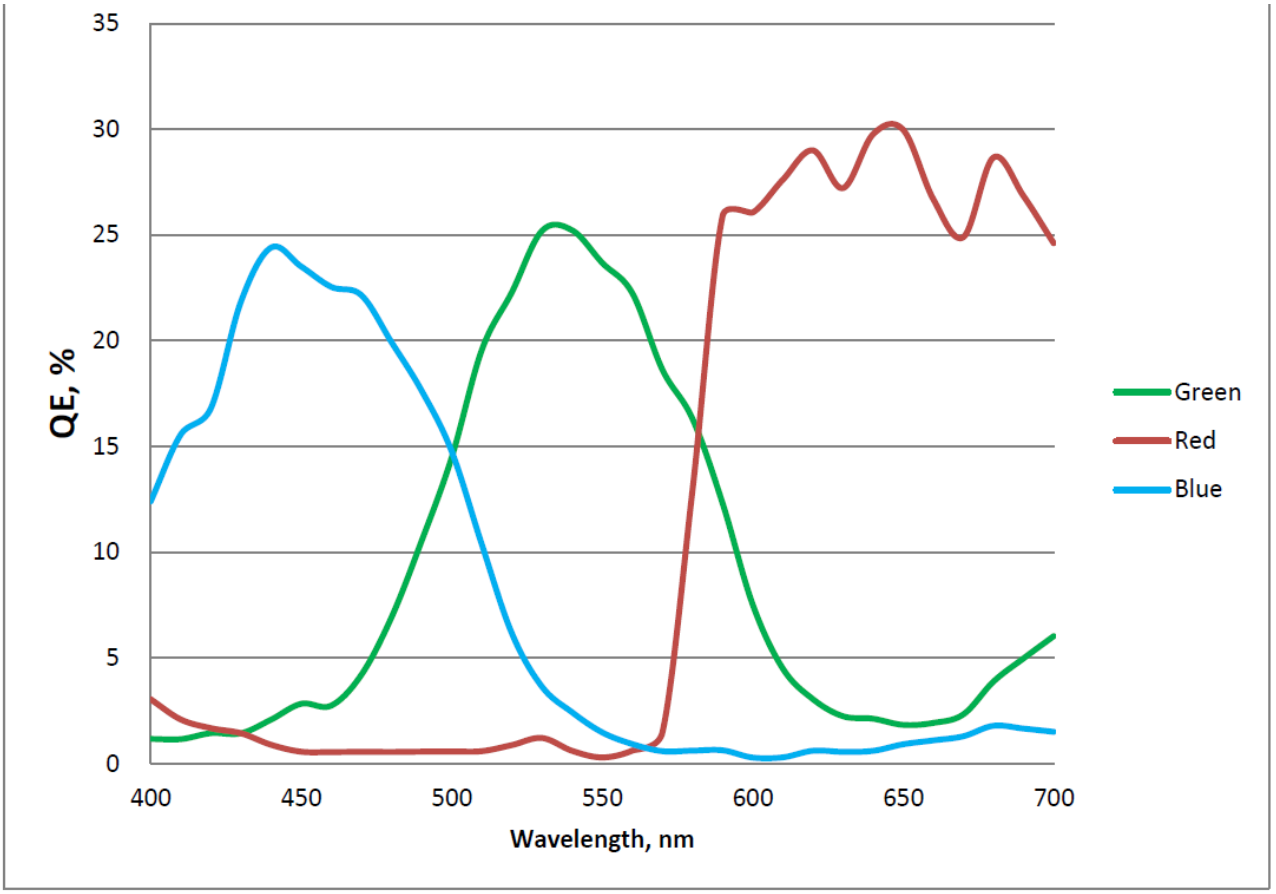
FW 功能 – 影像控制

曝光模式	external
增益模式	digital, analog
白平衡模式	true
影像控制功能	roi, mirror-image

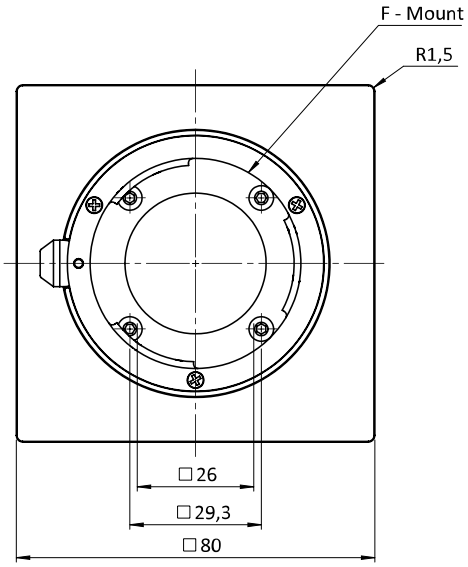
FW 功能 – 相機控制

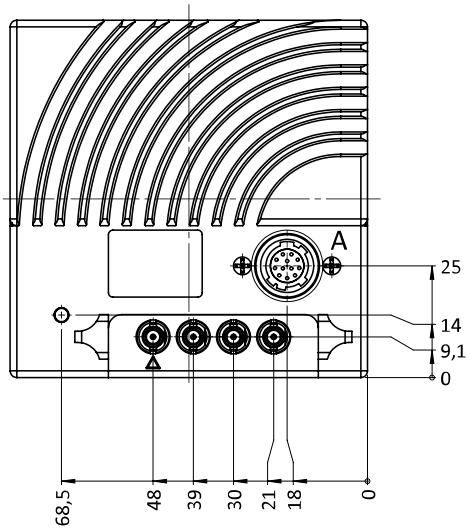
觸發模式/同步	external, trigger-over-cxp

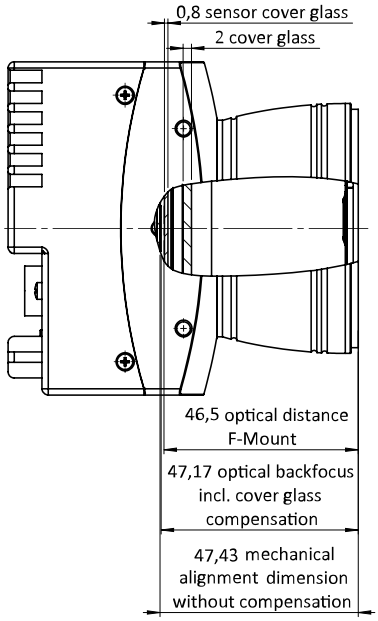
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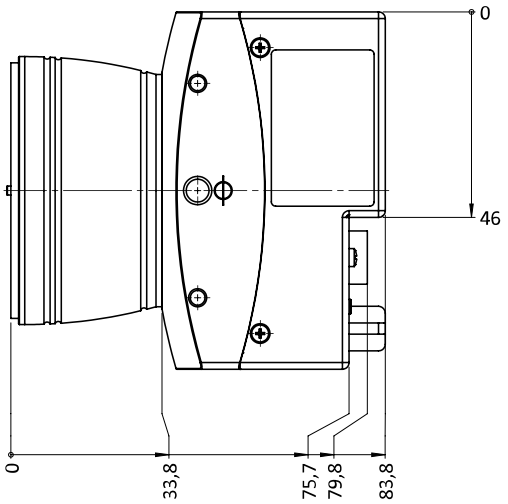

35
30
25
20
15
10
5
0
QE, %
400
450
500
550
600
650
700
Wavelength, nm
Green
Red
Blue

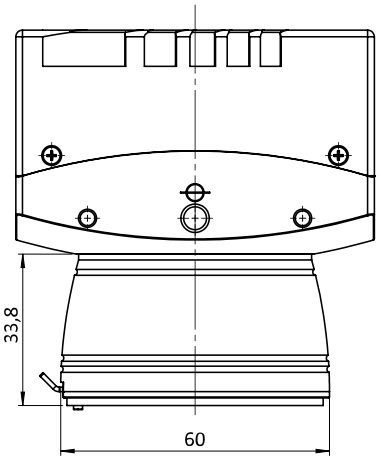
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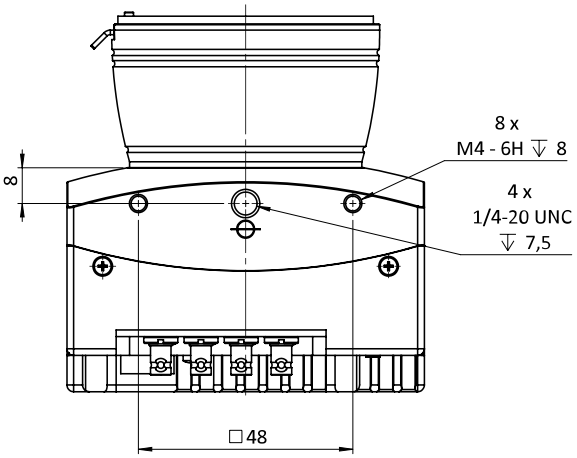

F - Mount
R1,5
□26
□29,3
□80

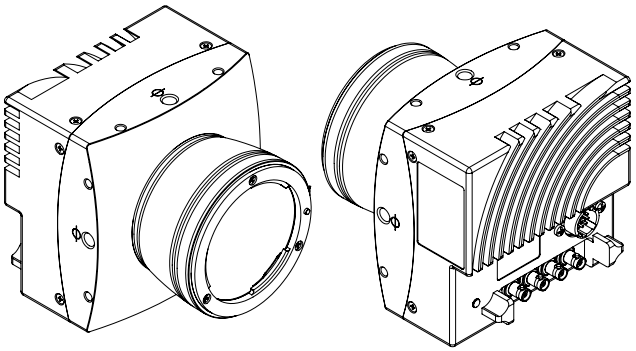

A
25
14
9,1
0
68,5
48
39
30
21
18
0


0,8 sensor cover glass
2 cover glass
46,5 optical distance
F-Mount
47,17 optical backfocus
incl. cover glass
compensation
47,43 mechanical
alignment dimension
without compensation

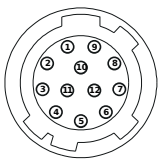

0
46
0
33,8
75,7
79,8
83,8







I/O □□□□



Pin	Signal	Pin	Signal
1 + 12	GND	6	IN0
2 + 11	VCC (12- 24V)	7	IO_{GND}
3	IO_{GND}	8	OUT1
4	OUT0	9	IO_{GND}
5	IO_{GND}	10	IN1