

Allied Vision

EoSens CoaXPress-12

EoSens2.0MCX12-FM

一般	
型號	EoSens2.0MCX12-FM
產品編號	F006008
產品系列	EoSens CoaXPress-12
狀態	Available

感測器	
感測器類型	Area scan
色度	Mono
光譜	Visible
光譜範圍	400 nm to 1000 nm
解析度	1,920 × 1,080 (2.00 MP)
感測器型號	Luxima Lux19HS
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	19.2 × 10.8 mm (22.03 mm, Type 4/3)
像素大小	10.00 µm × 10.00 µm

像素格式	
感測器位深	8-bit, 10-bit
單色像素格式	mono8, mono10

時序與增益	
最大影格率	2247 fps
最大影格率 ROI 模式	1920 x 1080 | 2247 fps, 1024 x 768 | 3152 fps, 640 x 480 | 5020 fps, 128 x 128 | 18177 fps, 1920 x 8 | 170578 fps, x | 170575 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: 13 W (typical)

操作條件

操作溫度	-10 °C to 65 °C (機殼)

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	84 × 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

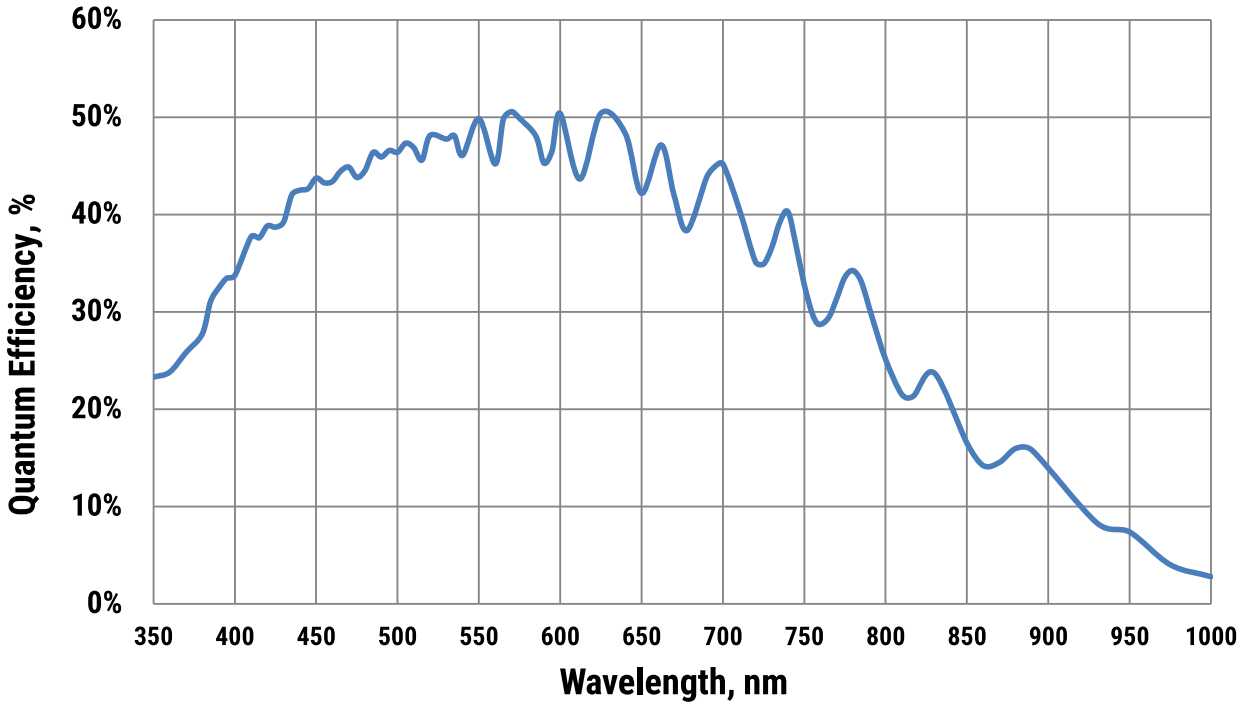
FW 功能 – 影像控制

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

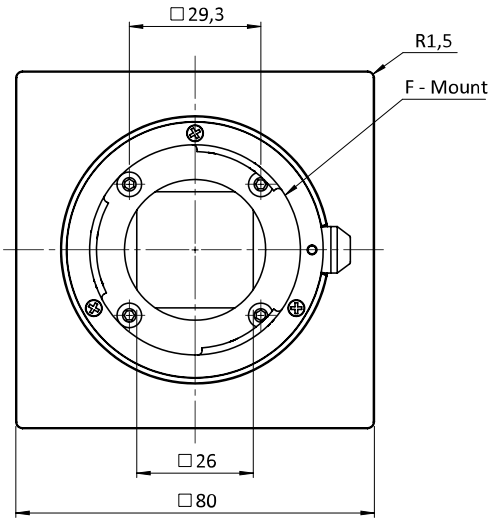
FW 功能 – 相機控制

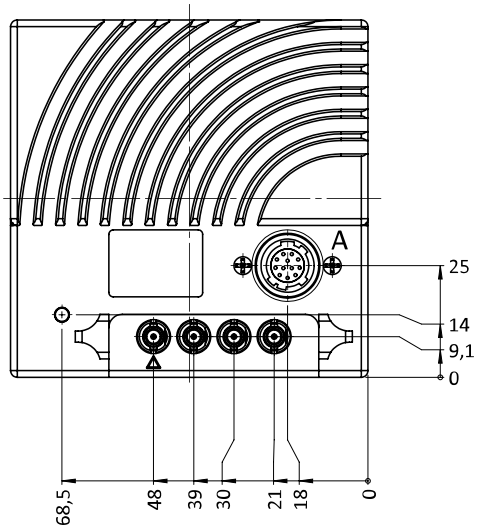
觸發模式/同步	external, trigger-over-cxp

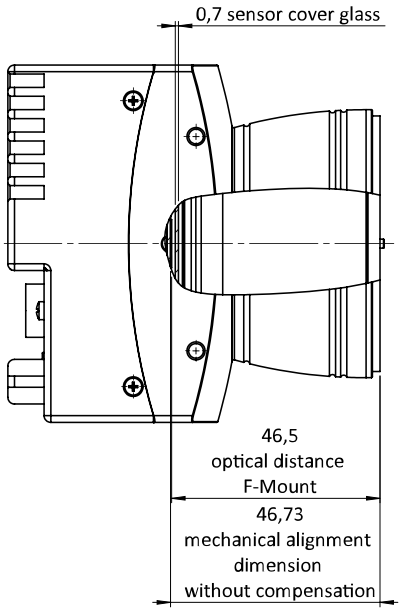
□□□□

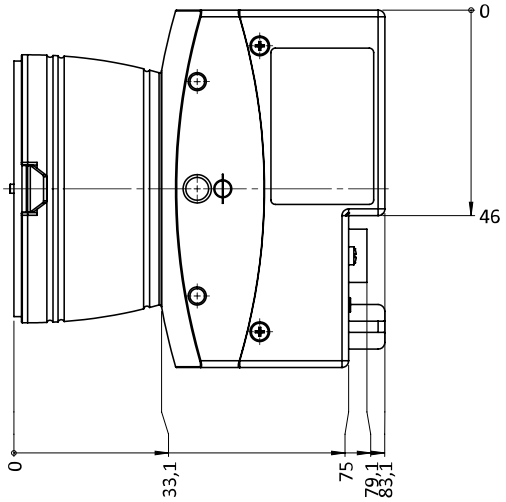

60%
50%
40%
30%
20%
10%
0%
Quantum Efficiency, %
350
400
450
500
550
600
650
700
750
800
850
900
950
1000
Wavelength, nm

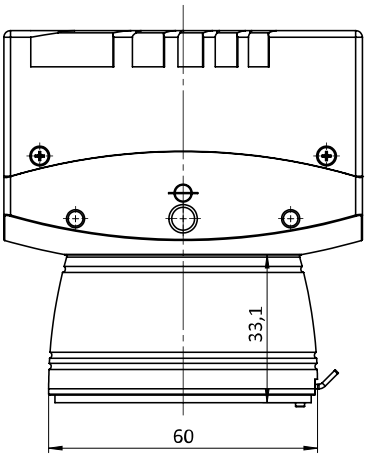
□□□□

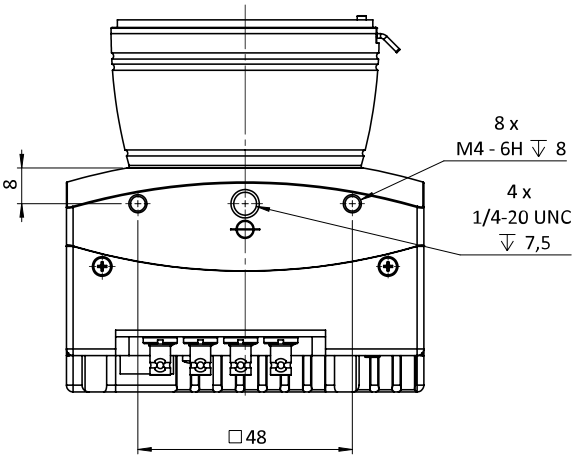

□29,3
R1,5
F - Mount
□26
□80

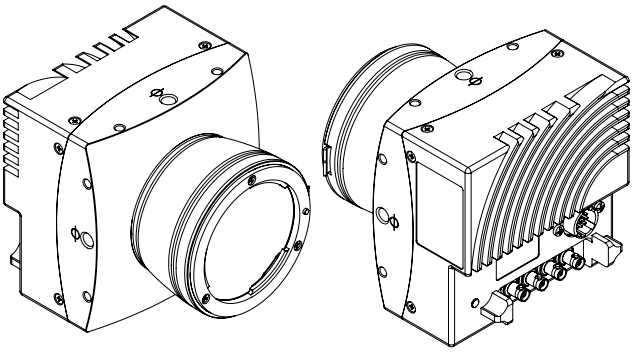

A
25
14
9,1
0
68,5
48
39
30
21
18
0


0,7 sensor cover glass
46,5
optical distance
F-Mount
46,73
mechanical alignment
dimension
without compensation

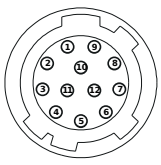

0
46
0
33,1
75
79,1
83,1







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