

Allied Vision

EoSens CoaXPress-12

EoSens9.5MCX12-FF

一般	
型號	EoSens9.5MCX12-FF
產品編號	F006220
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	380 nm to 1000 nm
解析度	4,096 × 2,304 (9.50 MP)
感測器型號	Luxima LUX9506
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	26.62 × 14.98 mm (30.55 mm, Type 2)
像素大小	6.50 µm × 6.50 µm

像素格式	
感測器位深	8-bit, 10-bit, 12-bit
單色像素格式	mono8, mono10, mono12

時序與增益	
最大影格率	503 fps
最大影格率 ROI 模式	4096 x 2304 | 503 fps, 1920 x 1080 | 2243 fps, 1280 x 720 | 4898 fps, 640 x 480 | 13498 fps, 4096 x 100 | 11039 fps, 512 x 512 | 15767 fps, 512 x 8 | 225000 fps,
曝光時間	2 µs to 40.00 ms

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時序與增益	
增益	0.0 dB to 12.0 dB

I/O 與電源	
非隔離線	1 x LVDS input, 1 x LVDS output, 0 x TTL input, 0 x TTL output, 2 x 24V input, 2 x Open drain output,
特定非隔離線	1 x RS232 input, 1 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	Power over CoaXPress only
功耗	21 W (typical)

操作條件	
操作溫度	-10 °C to 60 °C (機殼)

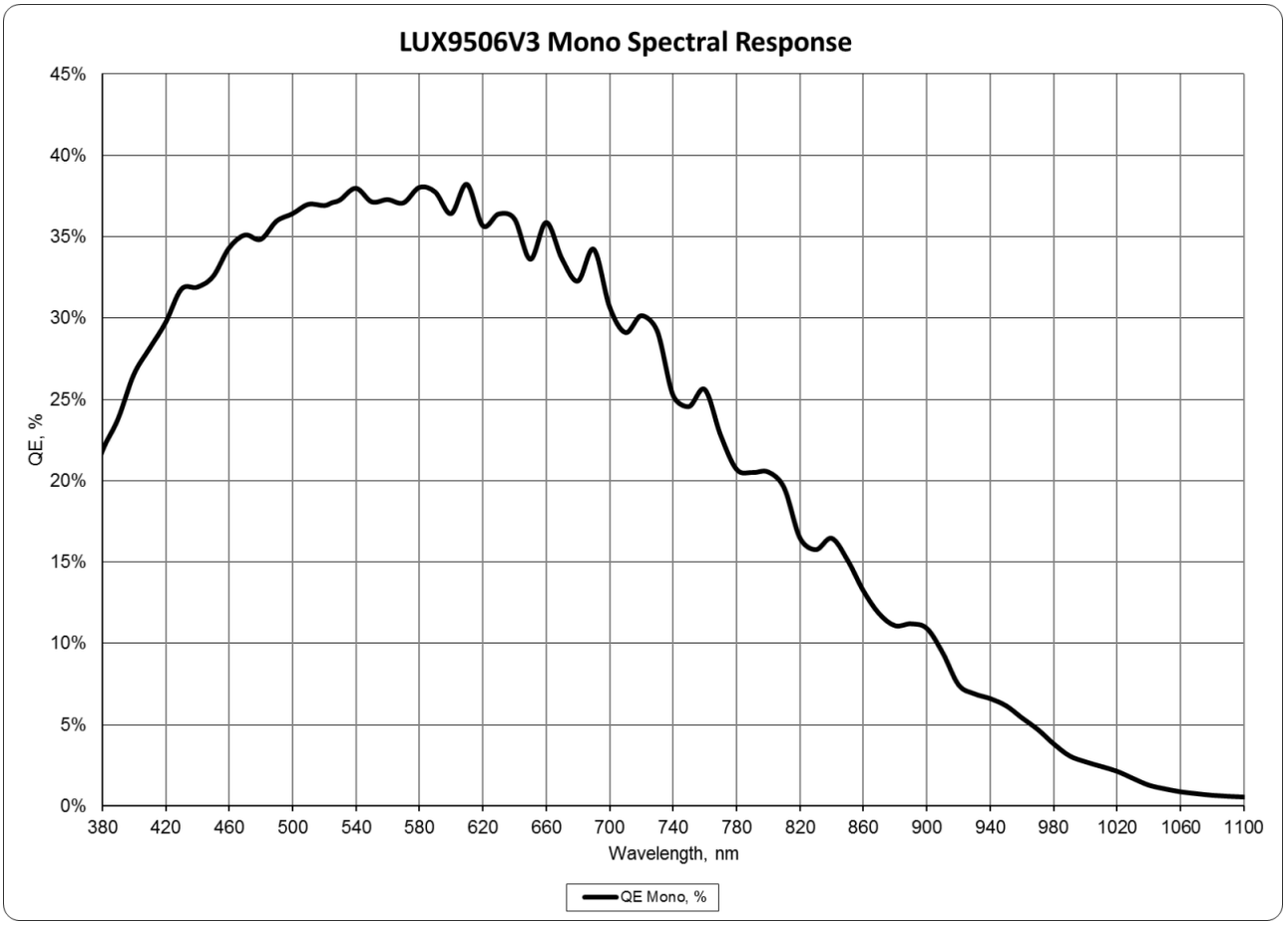
機械特性	
機殼尺寸 (長 x 寬 x 高 mm)	49 × 80 × 80
防護等級	IP30
鏡頭接口	Flat Front
重量	630 g

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

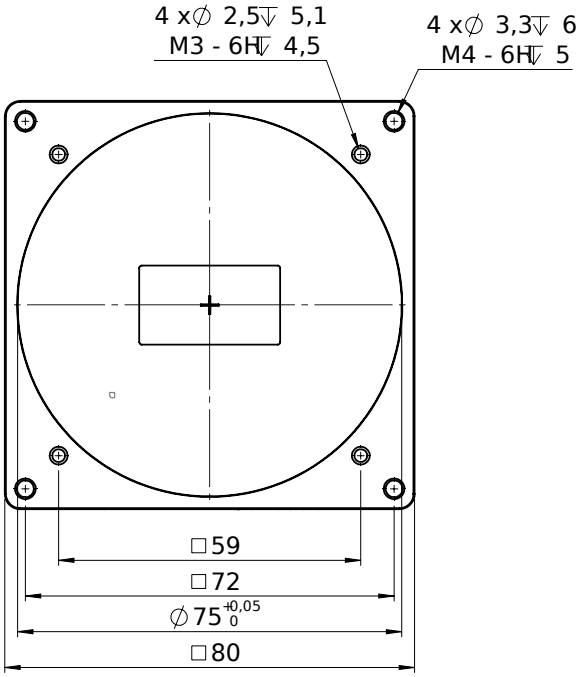
FW 功能 – 影像控制	
曝光模式	external
增益模式	digital, analog
影像控制功能	roi, mirror-image, dpc, shading-correction

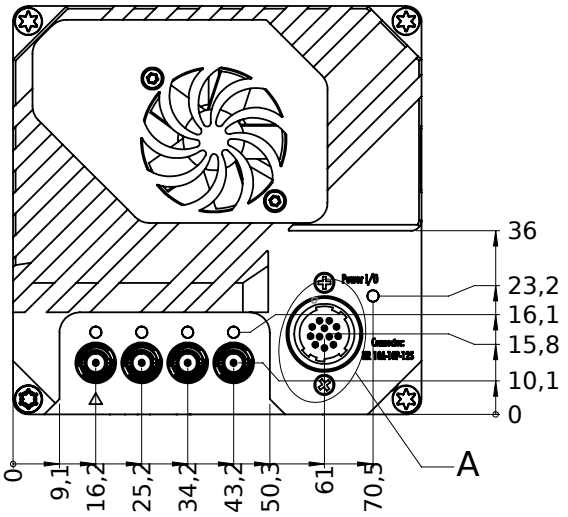
FW 功能 – 相機控制	
觸發模式/同步	external, trigger-over-cxp

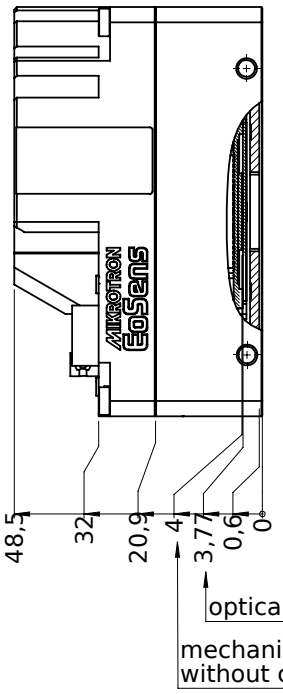
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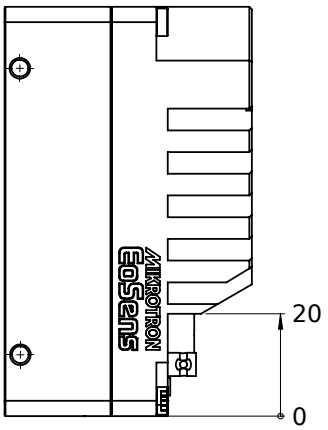

LUX9506V3 Mono Spectral Response
45%
40%
35%
30%
25%
20%
15%
10%
5%
0%
QE, %
380
420
460
500
540
580
620
660
700
740
780
820
860
900
940
980
1020
1060
1100
Wavelength, nm
QE Mono, %

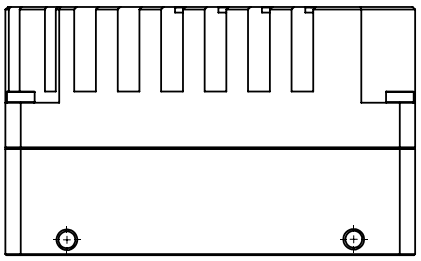
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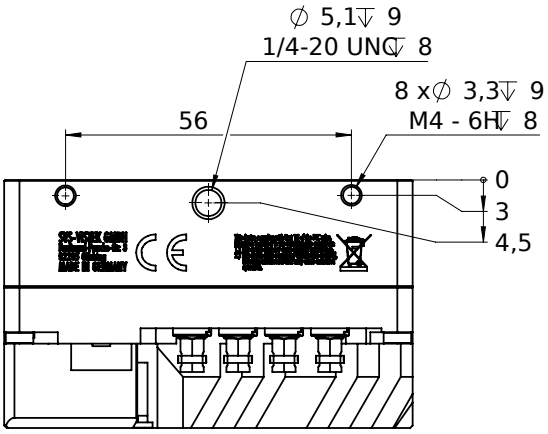

4 x∅ 2,5↧ 5,1
M3 - 6H↧ 4,5
4 x∅ 3,3↧ 6
M4 - 6H↧ 5
□59
□72
∅75 +0,05 0
□80

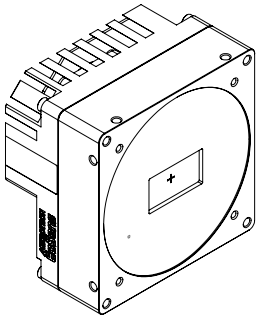

36
23,2
16,1
15,8
10,1
0
A
0
9,1
16,2
25,2
34,2
43,2
50,3
61
70,5

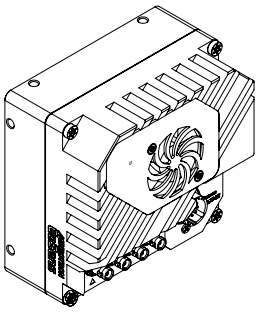

48,5
32
20,9
4
3,77
0,6
0
optical distance
mechanical adjustment
without compensation


20
0

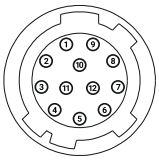








I/O □□□□



Pin	Signal	Pin	Signal
1	V_{out}- (GND)	7	OUT 1 (open drain)
2	V_{out}+ (24 V)	8	OUT 2 (open drain)
3	IN 4 RxD (RS 232)	9	LVDS Input P
4	OUT 4 TxD (RS 232)	10	LVDS Input N
5	IN 1 (0-24 V)	11	LVDS Output P
6	IN 2 (0-24 V)	12	LVDS Output N