Allied Vision

FXO Ultraviolet

fxo487MCX

一般

型號	fxo487MCX
產品編號	F002216
產品系列	FXO Ultraviolet
狀態	Available

感測器

感測器類型	Area scan
色度	Mono
光譜	UV
光譜範圍	200 nm to 400 nm
解析度	2,832 × 2,840 (8.00 MP)
感測器型號	Sony IMX487
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	7.76 × 7.78 mm (10.99 mm, Type 2/3)
像素大小	2.74 µm × 2.74 µm

像素格式

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

時序與增益

最大影格率	87 fps
曝光時間	7 µs to 60 s
增益	0.0 dB to 48.0 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, 4 x Open drain output,

I/O 與電源

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	1 x Optical isolated input, 0 x Optical isolated input,
I/O 連接器	12-pin Hirose HR10A-10P-12S
電源供應	10 to 25VDC, Power over CoaXPress
功耗	External: 8 W (typical)

操作條件

操作溫度 (機殼)	-10 °C to 65 °C

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	70 × 50 × 50
濾光片/保護玻璃	UV Fused Silica 185-800nm
防護等級	IP30
鏡頭接口	C-Mount
重量	240 g

板載記憶體與 FPGA

非揮發性記憶體 (Flash)	32 MByte

介面

數位介面	cxp-12 with 1 connection
介面連接器	(micro-BNC)
視覺標準	CoaXPress 2.0

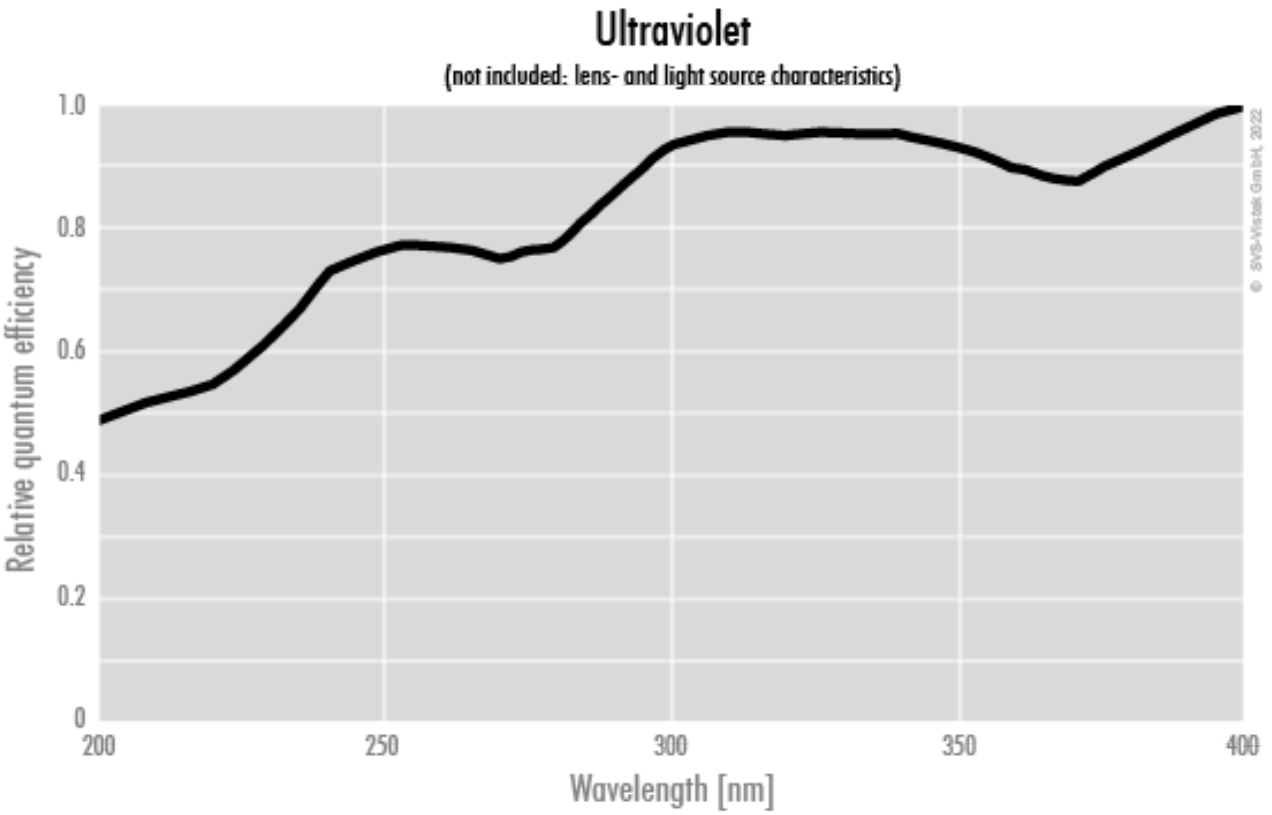
FW 功能 – 影像控制

曝光模式	manual, auto, external
增益模式	auto, manual
影像控制功能	roi, lut, mirror-image, dpc, shading-correction, ffc

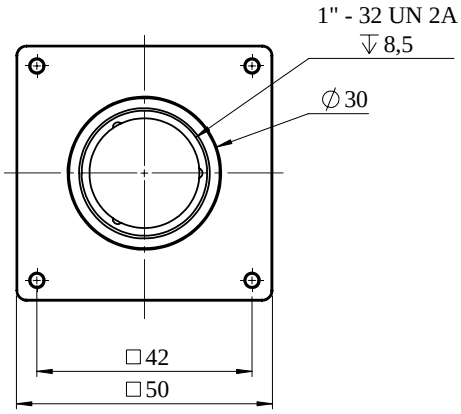
FW 功能 – 相機控制

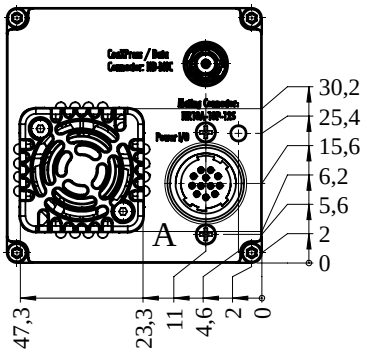
觸發模式/同步	internal, software, external
相機控制功能	PoCxP, User Sets, PWM(4), Sequencer,

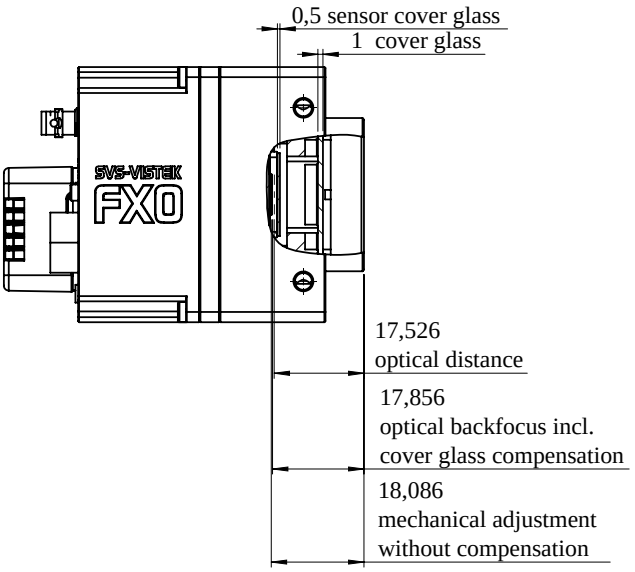
量子效率

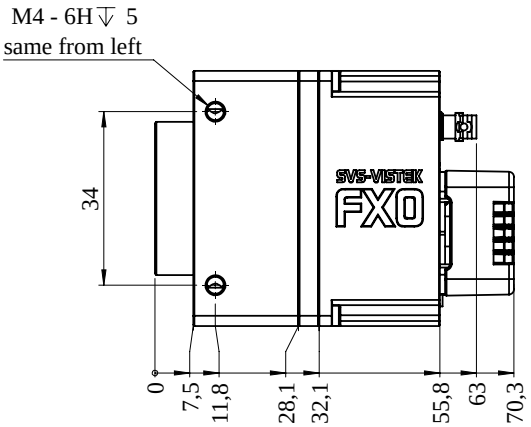

Ultraviolet
(not included: lens- and light source characteristics)
Relative quantum efficiency
1.0
0.8
0.6
0.4
0.2
0
200
250
300
350
400
Wavelength [nm]

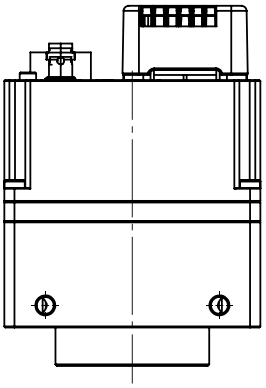
技術圖紙

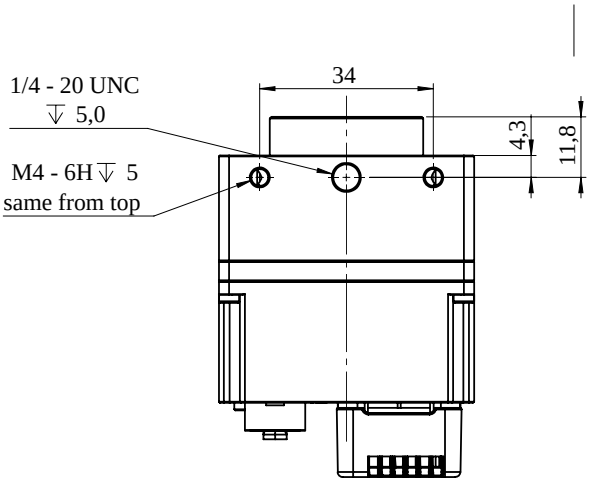

1" - 32 UN 2A
⇩ 8,5
∅ 30
□ 42
□ 50

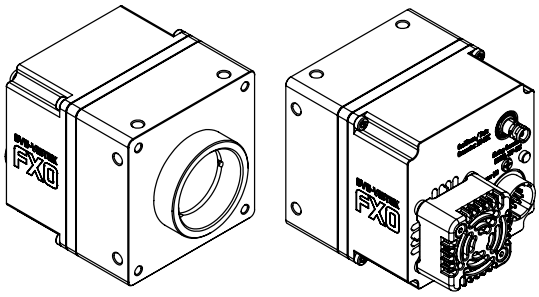

30,2
25,4
15,6
6,2
5,6
2
0
A
47,3
23,3
11
4,6
2
0


0,5 sensor cover glass
1 cover glass
SVS-VISTEK
FXO
17,526
optical distance
17,856
optical backfocus incl.
cover glass compensation
18,086
mechanical adjustment
without compensation


M4 - 6H⇩ 5
same from left
34
SVS-VISTEK
FXO
0
7,5
11,8
28,1
32,1
55,8
63
70,3

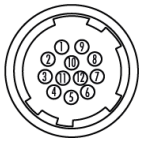






I/O 引腳分配

Hirose 12 Pin



1	VIN –	(GND)	7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)	8	OUT 2	(open drain)
3	IN 4	(RXD RS232)	9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)	10	IN 3 –	(opto In –)
5	IN 1	(0 - 24V)	11	OUT 3	(open drain)
6	IN 2	(0 - 24V)	12	OUT 0	(open drain)