FXO Ultraviolet

fxo487MXGE

一般

型號	fxo487MXGE
產品編號	F002219
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	2,840 × 2,840 (8.10 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	7.78 × 7.78 mm (11 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	6 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 Ethernet
功耗	External: 9 W (typical)

操作條件

操作溫度 (機殼)	-10 °C to 60 °C

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	76 × 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

影像緩衝區 (RAM)	896 MByte
非揮發性記憶體 (Flash)	32 MByte

介面

數位介面	10gige
介面連接器	(RJ-45)
視覺標準	GigE Vision 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

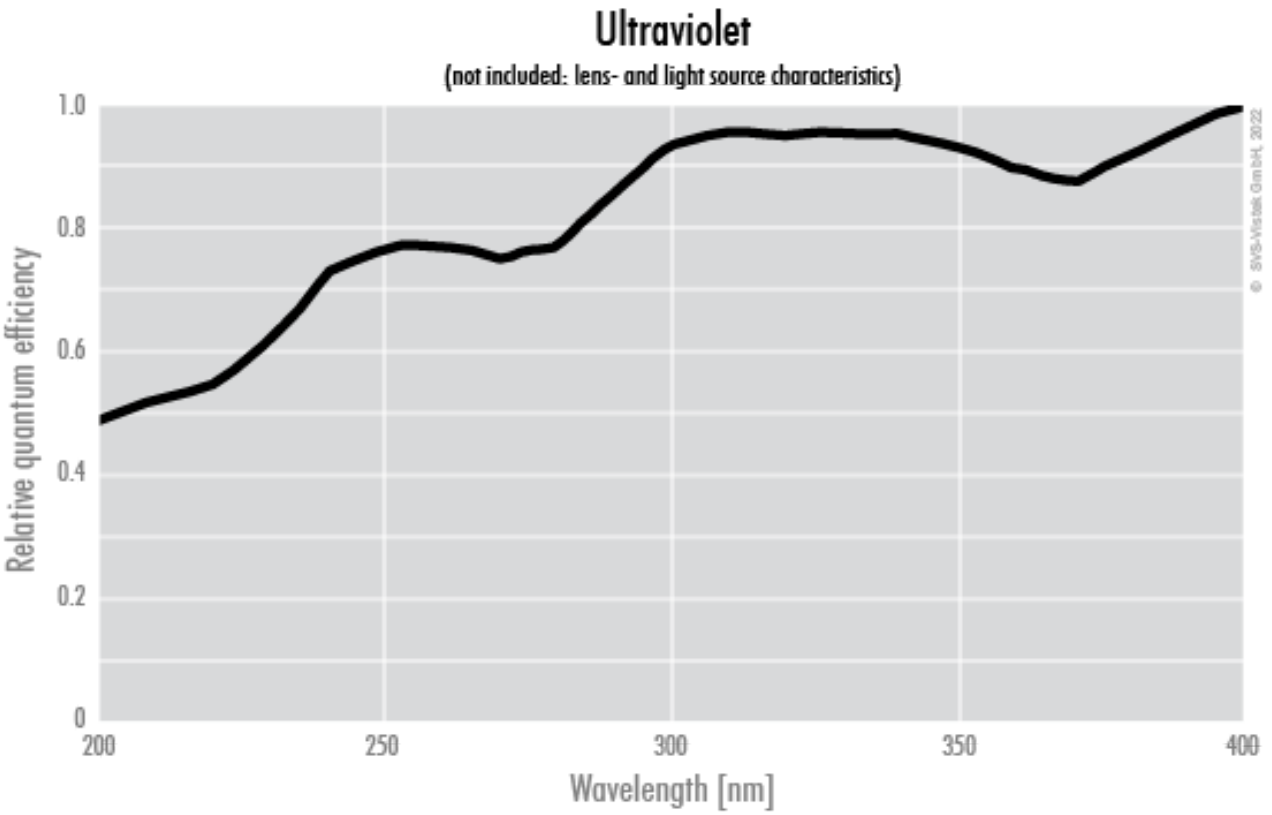
FW 功能 – 相機控制

觸發模式/同步	internal, software, external

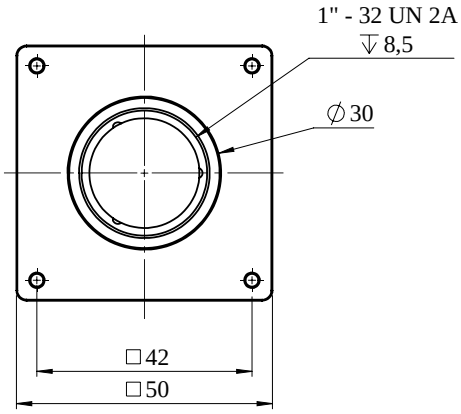
FW 功能 – 相機控制

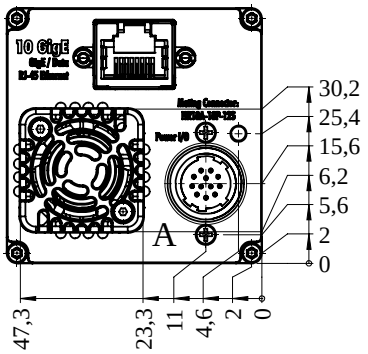
相機控制功能	PTP, User Sets, POE, PWM(4), Sequencer,

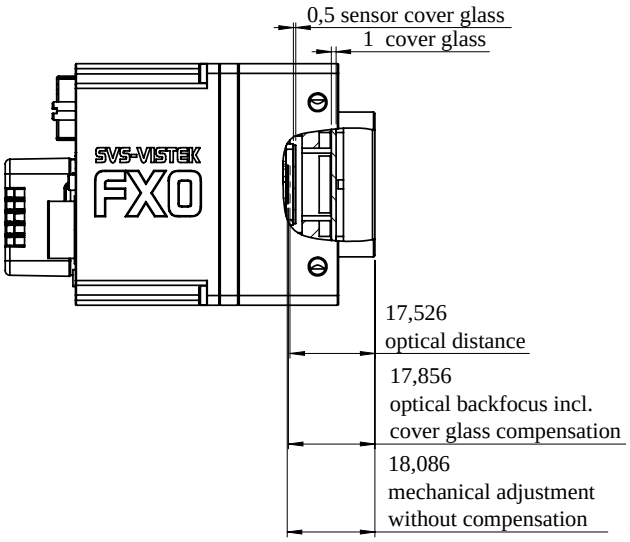
量子效率

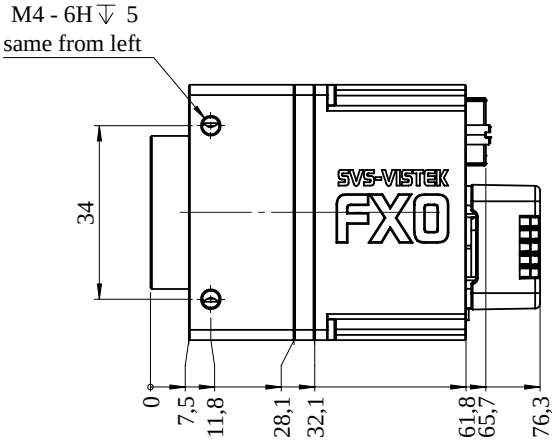

Ultraviolet
(not included: lens- and light source characteristics)
Relative quantum efficiency
1.0
0.8
0.6
0.4
0.2
0
200
250
300
350
400
Wavelength [nm]

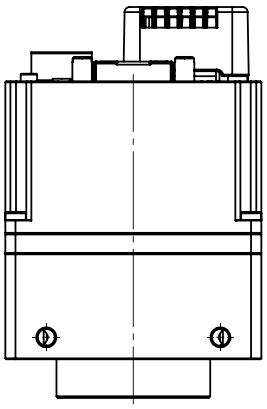
技術圖紙

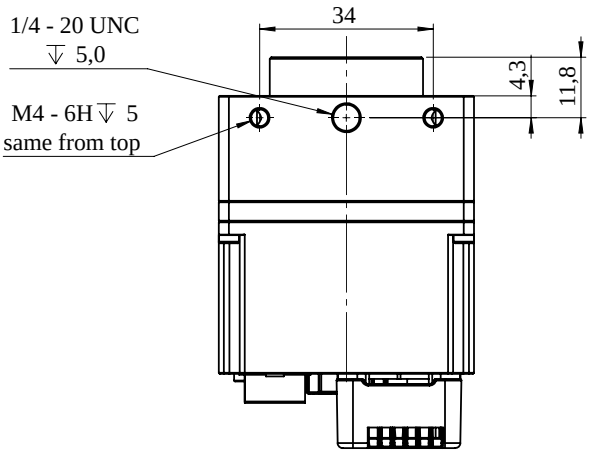

1" - 32 UN 2A
↧ 8,5
⌀ 30
□ 42
□ 50

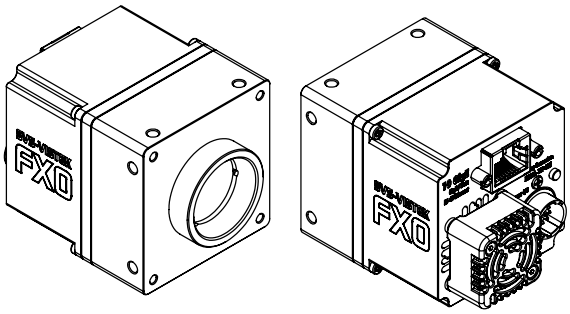

10 GigE
A
30,2
25,4
15,6
6,2
5,6
2
0
47,3
23,3
11
4,6
2
0


0,5 sensor cover glass
1 cover glass
SVS-VISTEK
FX0
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
FX0
0
7,5
11,8
28,1
32,1
61,8
65,7
76,3

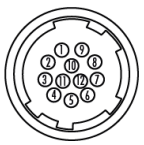






I/O 引腳分配

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)