Allied Vision

FXO Ultraviolet

fxo487MXGE

Generale

Modello	fxo487MXGE
Codice prodotto	F002219
Serie di prodotti	FXO Ultraviolet
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
Spettro	UV
Gamma spettrale	200 nm to 400 nm
Risoluzione	2,840 × 2,840 (8.10 MP)
Modello sensore	Sony IMX487
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	7.78 × 7.78 mm (11 mm, Type 2/3)
Dimensione pixel	2.74 µm × 2.74 µm

Formati pixel

Profondità bit sensore	12-bit, 8-bit
Formati pixel monocromatici	mono12, mono8

Tempi e guadagno

Frequenza fotogrammi max.	87 fps
Tempo di esposizione	6 µs to 60 s
Guadagno	0.0 dB to 48.0 dB

I/O e alimentazione

Linee non isolate	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,
Linee non isolate specifiche	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,

I/O e alimentazione

Linee otticamente isolate	1 x Optical isolated input, 0 x Optical isolated input,
Connettore I/O	12-pin Hirose HR10A-10P-12S
Alimentazione	10 to 25VDC, Power over Ethernet
Consumo energetico	External: 9 W (typical)

Condizioni operative

Temperatura operativa	-10 °C to 60 °C (custodia)
Humidity	10 % to 90 % (non-condensing)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	76 × 50 × 50
Vetro filtro/protezione	UV Fused Silica 185-800nm
Classe IP	IP30
Attacco/i obiettivo	C-Mount
Peso	240 g

Memoria onboard e FPGA

Buffer immagine (RAM)	896 MByte
Memoria non volatile (Flash)	32 MByte

Interfacce

Interfaccia digitale	10gige
Connettore interfaccia	(RJ-45)
Standard Vision	GigE Vision 2.0

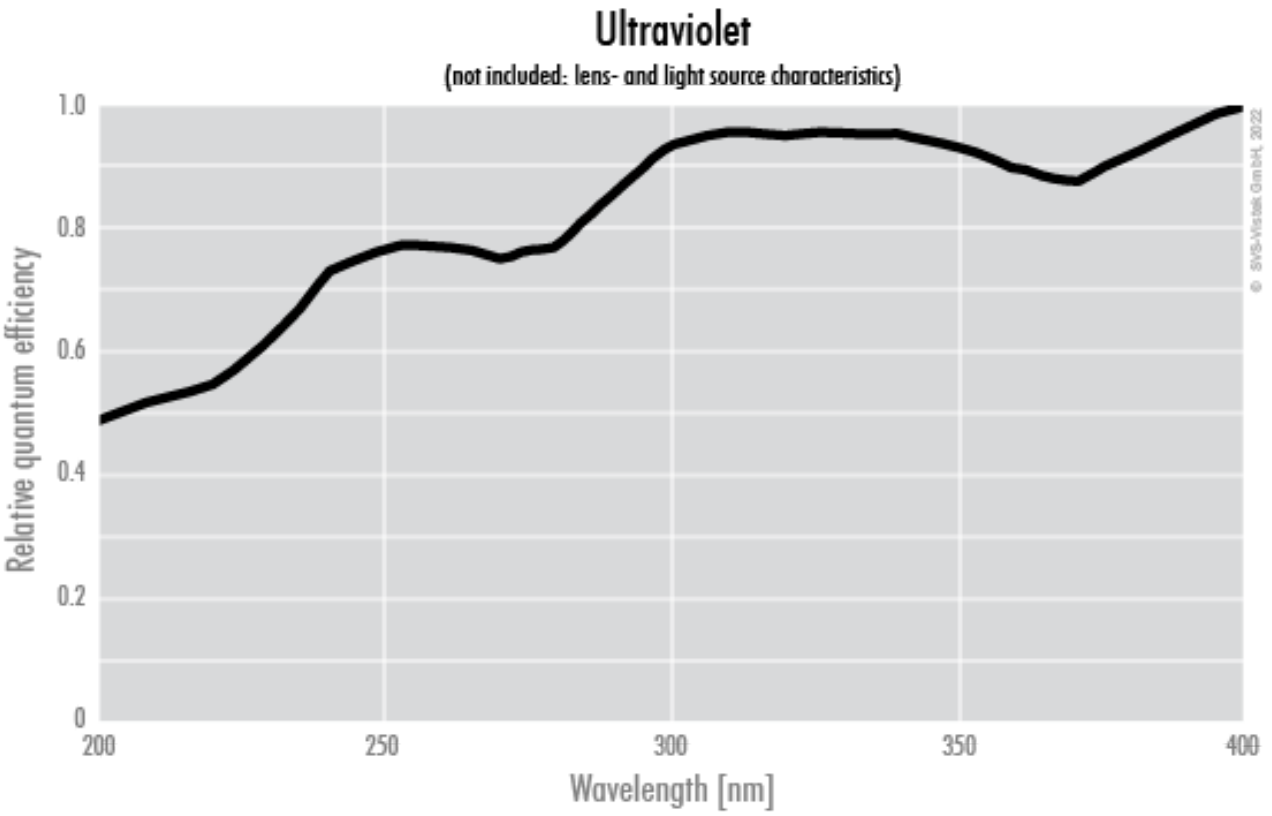
Funzioni FW – Controllo immagine

Modalità di esposizione	auto, external, manual
Modalità di guadagno	auto, manual
Funzioni di controllo immagine	dpc, ffc, lut, mirror-image, roi, shading-correction

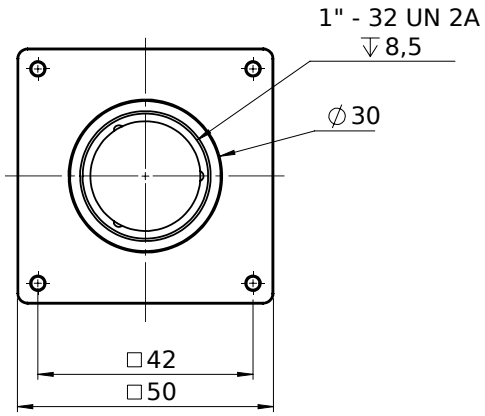
Funzioni FW – Controllo fotocamera

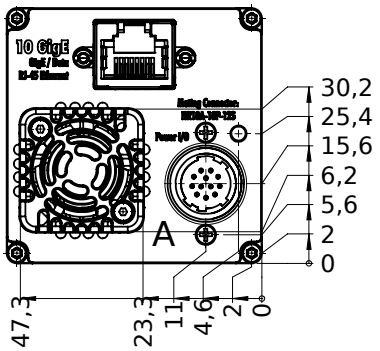
Modalità di trigger/sincronizzazione	external, internal, software

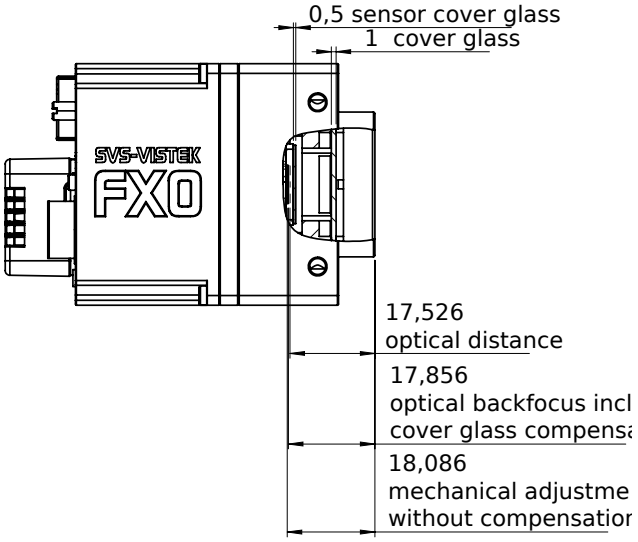
Efficienza quantica

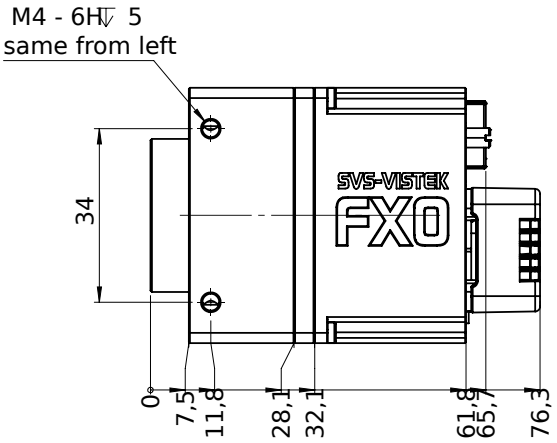


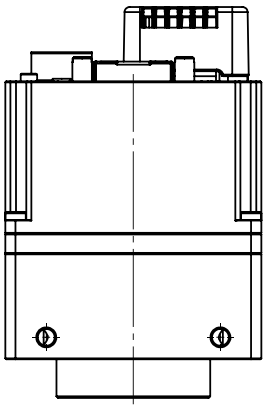
Disegno tecnico

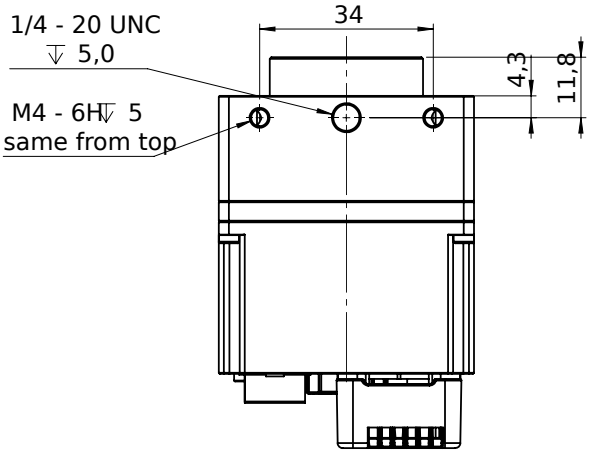


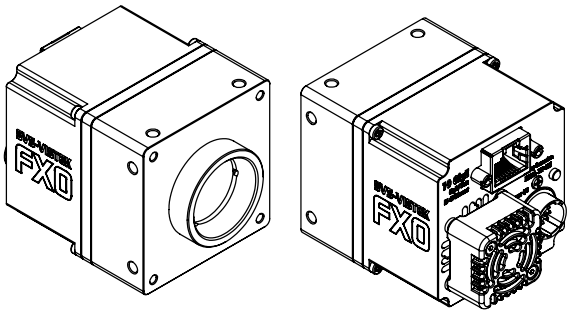






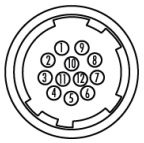






Assegnazione pin I/O

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)