

EXO Tracer

exo387MGETR

Generale

Modello	exo387MGETR
Codice prodotto	F002212
Serie di prodotti	EXO Tracer
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	5,456 × 3,076 (16.80 MP)
Modello sensore	Sony IMX387
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	18.82 × 10.61 mm (21.61 mm, Type 4/3)
Dimensione pixel	3.45 µm × 3.45 µm

Formati pixel

Profondità bit sensore	8-bit, 12-bit
Formati pixel monocromatici	mono8, mono12packed

Prestazioni di imaging

Gamma dinamica	70.5 dB
SNR	39.9 dB

Tempi e guadagno

Frequenza fotogrammi max.	7.4 fps
Frequenza fotogrammi max. (Burst)	12 fps
Tempo di esposizione	41 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,
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: 8 W (typical)

Condizioni operative

Temperatura operativa (Custodia)	-10 °C to 65 °C
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Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	54 × 58 × 58
Vetro filtro/protezione	K9 - AR coating
Classe IP	IP40
Attacco/i obiettivo	MFT
Peso	320 g

Memoria onboard e FPGA

Buffer immagine (RAM)	192 MByte
Memoria non volatile (Flash)	32 MByte

Interfacce

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

Funzioni FW – Controllo immagine

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

Funzioni FW – Controllo fotocamera

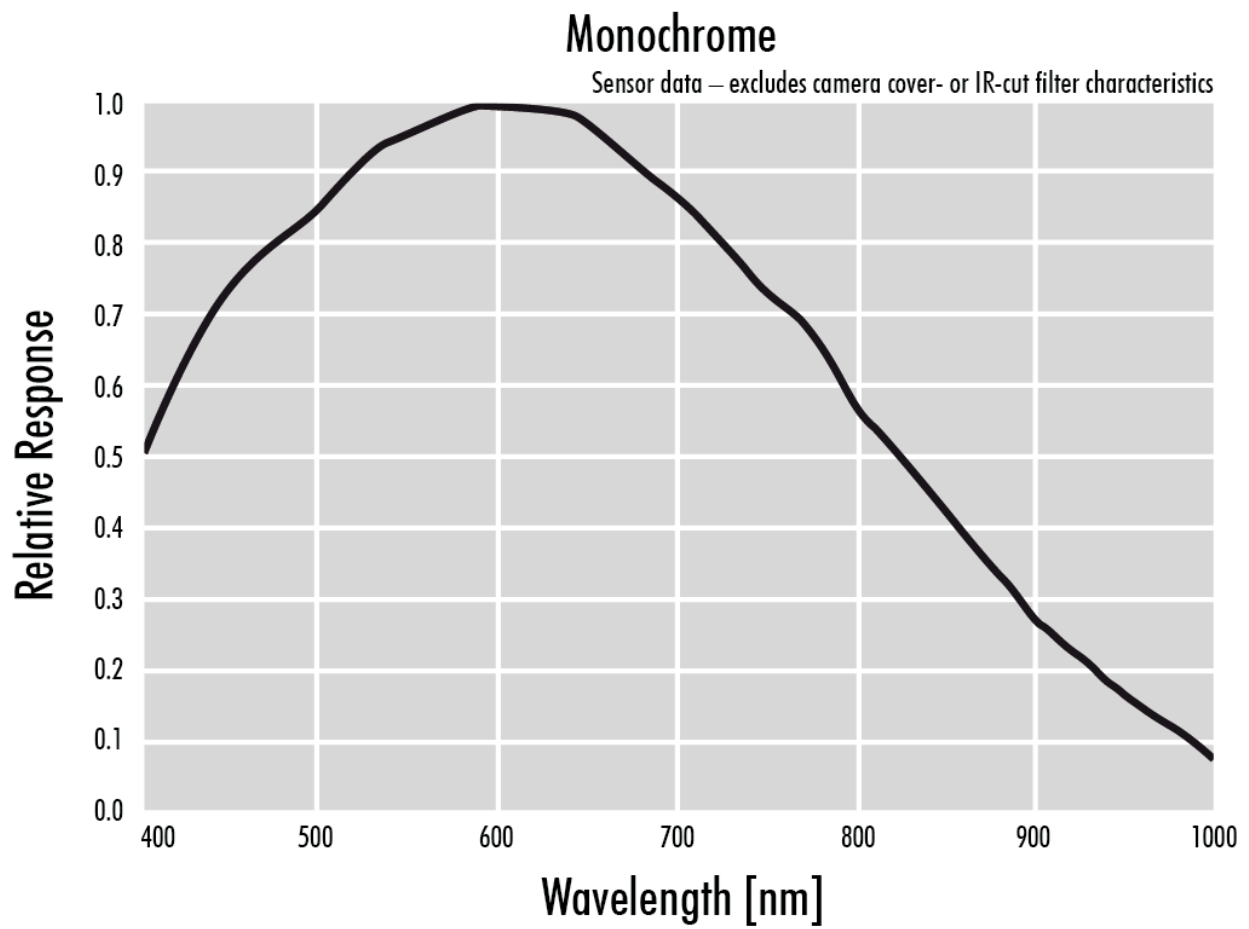
Modalità di trigger/sincronizzazione	internal, software, external
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Funzioni FW – Controllo fotocamera

Funzioni di controllo della fotocamera

BurstMode, User Sets, POE, PWM(4), Sequencer,

Efficienza quantica



MFT-Bayonet

1,15

58

M2,5 ∇ 18

Technical drawing of the front panel of the HX 100-100-125. The panel is rectangular with dimensions 40x44.1. It features a RJ45 Ethernet port at the top center, a Power/USB port at the bottom center, and four mounting holes at the corners. Dimensions are provided for the port locations and mounting holes.

0,7 sensor cover glass

1 cover glass

SVS-VISIT
EXL
Tracer

19,2 optical distance

19,53 optical backfocus incl. cover glass compensation

19,76 mechanical adjustment without compensation

Technical drawing of the EXO Tracer door showing dimensions and mounting details. The drawing includes a side view of the door with a handle and a top view showing the door's profile and mounting points. Dimensions are provided in millimeters (mm).

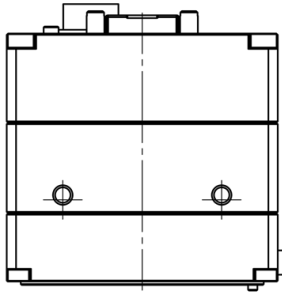
Dimensions:

- Top view: $\varnothing 5,2 \nabla 2,6$ (hole diameter), $6,7 \times 5,4$ (hole dimensions), $\nabla 1,9$ (hole depth).
- Side view: $0,8$ (door thickness), $15,3$ (distance from hinge to handle), $34,6$ (distance from hinge to lock), $53,8$ (distance from hinge to handle), $57,7$ (distance from hinge to lock), $60,1$ (distance from hinge to handle).

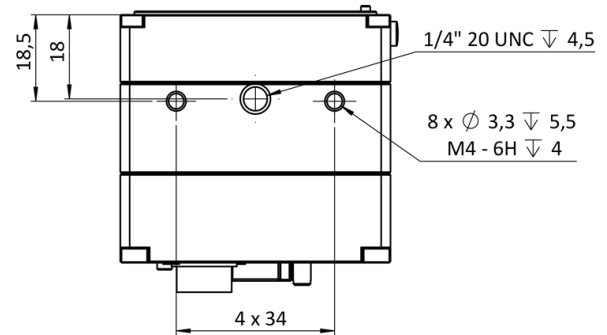
Text on the door:

- SVS-VISTEK
- EXO
- Tracer

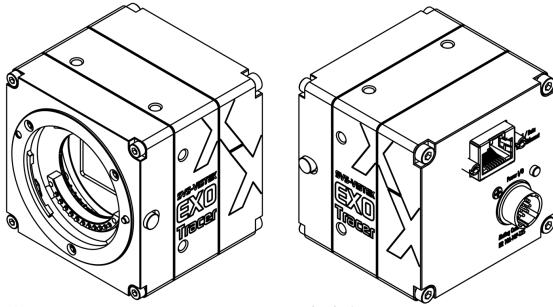
top



bottom

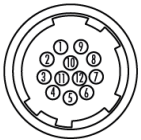


3D



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)