

EXO Tracer

exo387MU3TR

Generale

Modello	exo387MU3TR
Codice prodotto	F001964
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.	22 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
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	usb3.0
Connettore interfaccia	(Micro-B)
Standard Vision	USB3 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

Funzioni FW – Controllo fotocamera

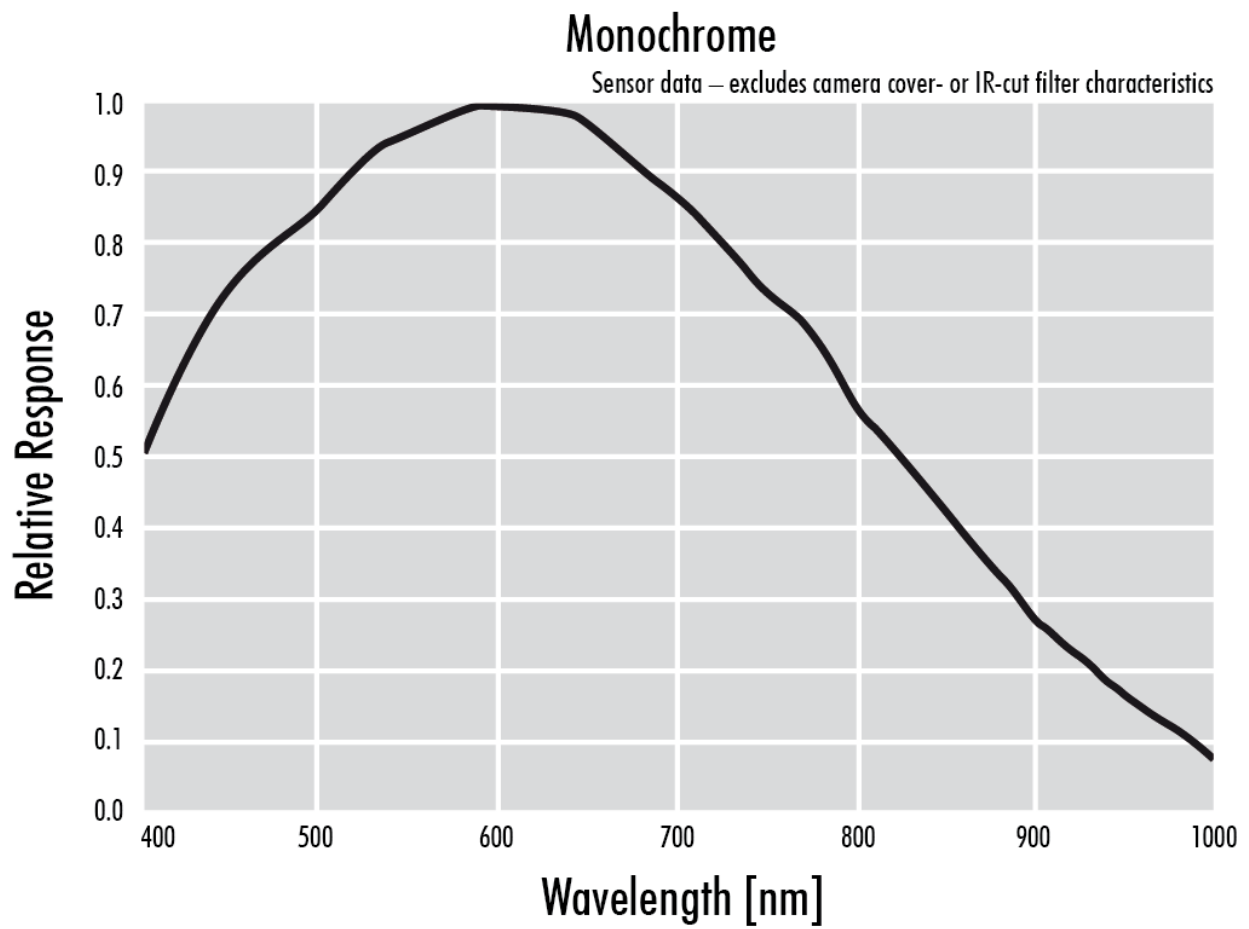
Modalità di trigger/sincronizzazione	internal, software, external
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Funzioni FW – Controllo fotocamera

Funzioni di controllo della fotocamera

User Sets, PWM(4), Sequencer,

Efficienza quantica



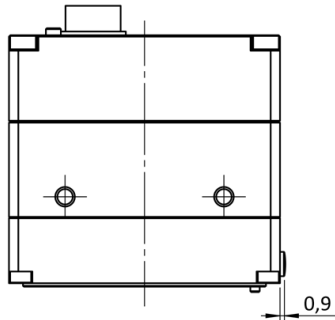
Technical drawing of the MFT-Bayonet connector. The drawing shows a top-down view of the circular connector with a central threaded hole. Dimensions include an outer diameter of 58 mm, an inner diameter of 53 mm, and a central hole diameter of 25 mm. The total height of the connector is 37.4 mm, with a flange thickness of 1.15 mm and a main body height of 19 mm. The drawing also indicates the use of M2.5 screws and the MFT-Bayonet mounting system.

Technical drawing of the top view of a rectangular plate. The plate has a width of 41,5 and a height of 27. The drawing shows the following components and dimensions:

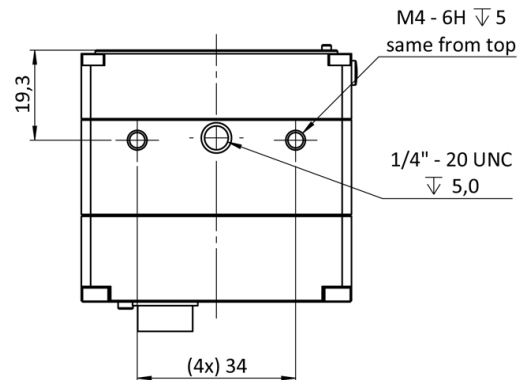
- ISO / Data Head:** Located at the top center, with a width of 18 and a height of 3.
- Power / G:** Located at the top right, with a width of 3 and a height of 3.
- Relay Connector:** Located at the bottom center, with a width of 18 and a height of 3.
- Dimensions:** The overall width is 41,5 and the overall height is 27. The distance from the top edge to the center of the relay connector is 19,1. The distance from the bottom edge to the center of the relay connector is 3.
- Mounting Holes:** There are four mounting holes, one in each corner, with a diameter of 3.
- Other Dimensions:** The distance from the left edge to the center of the ISO / Data Head is 38. The distance from the right edge to the center of the Power / G is 18.

Technical drawing of the EXO Tracer door, showing a top-down view. The door is labeled "SVS-VISTEK EXO Tracer". It features a large "X" shape on the right side and a handle on the left. Dimensions are given as 4,9 and 19,3.

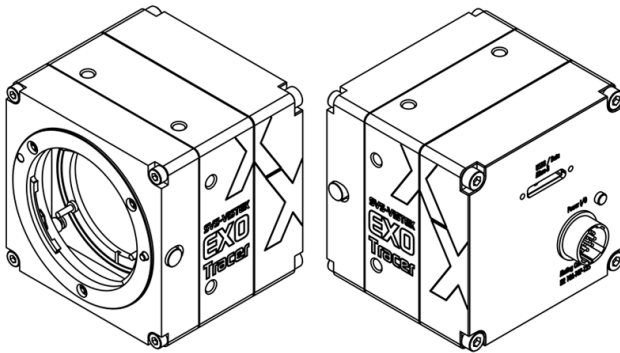
top



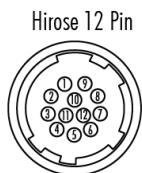
bottom



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)