



HR CoaXPress

hr51MCX

Generale

Modello	hr51MCX
Codice prodotto	F004102
Serie di prodotti	HR CoaXPress
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Mono
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	8,416 × 6,032 (51.00 MP)
Modello sensore	Gpixel GMAX4651
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	38.71 × 27.75 mm (47.63 mm, 35mm Full Frame)
Dimensione pixel	4.60 µm × 4.60 µm

Formati pixel

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

Prestazioni di imaging

Gamma dinamica	65 dB
SNR	42.6 dB

Tempi e guadagno

Frequenza fotogrammi max.	30 fps
Tempo di esposizione	16 μ s to 60 s
Guadagno	0.0 dB to 40.0 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,
Alimentazione	10 to 25VDC, Power over CoaXPress
Consumo energetico	External: 13 W (typical)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	76 x 70 x 70
Vetro filtro/protezione	N-BK7 - AR coating 380-850nm
Classe IP	IP30
Attacco/i obiettivo	M58x0.75
Peso	380 g

Memoria onboard e FPGA

Memoria non volatile (Flash)	160 MByte
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Interfacce

Interfaccia digitale	cxp-6 with 4 connections
Connettore interfaccia	(Din1.0/2.3)

Funzioni FW – Controllo immagine

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

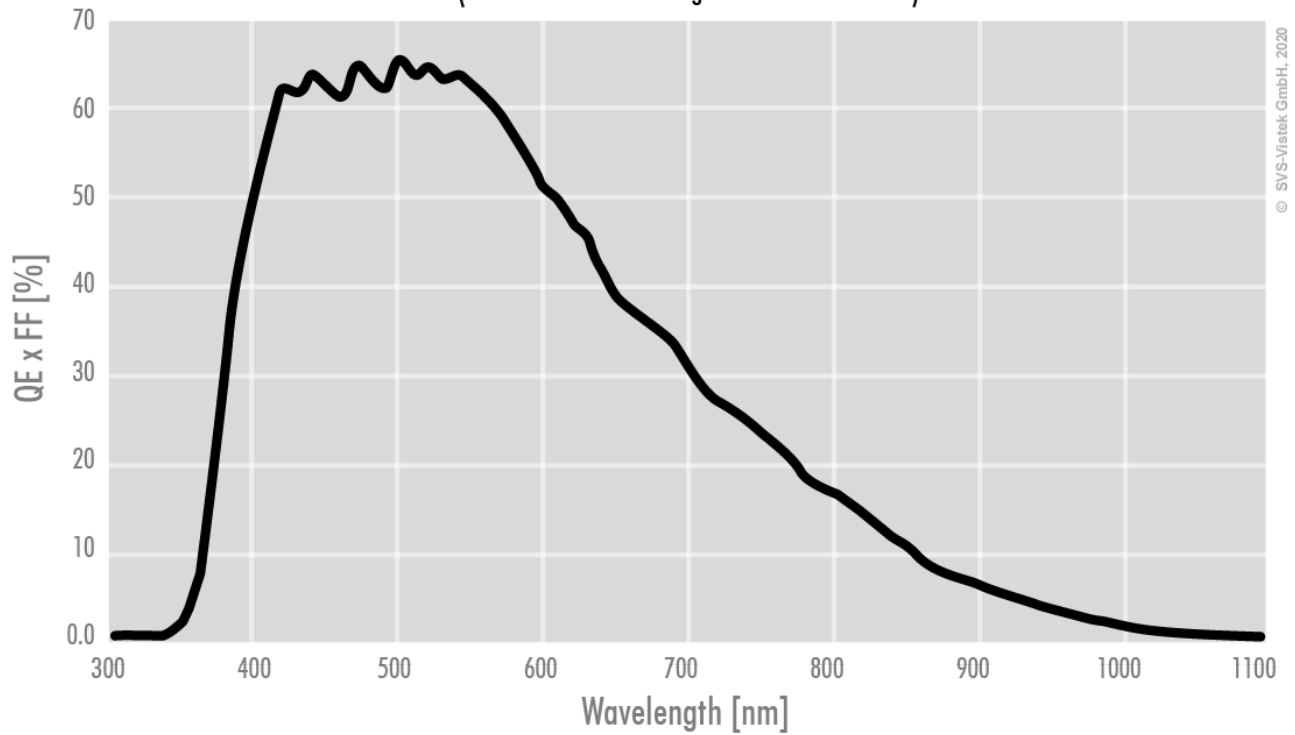
Funzioni FW – Controllo fotocamera

Modalità di trigger/sincronizzazione	external, internal, software
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Efficienza quantica

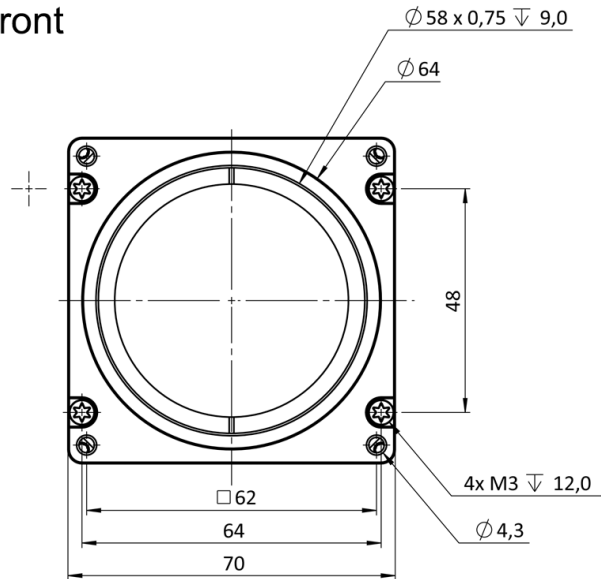
Monochrome

(not included: lens- and light source characteristics)

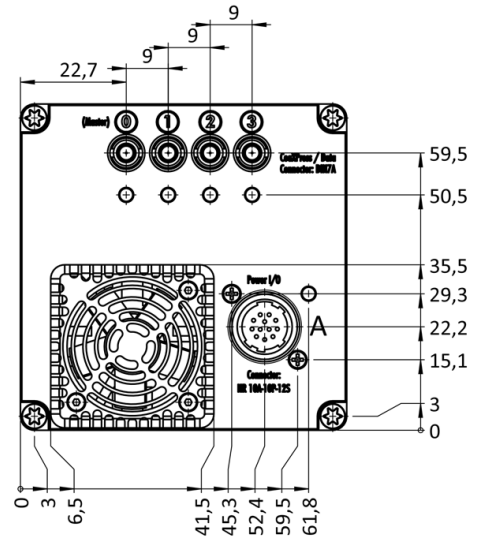


Disegno tecnico

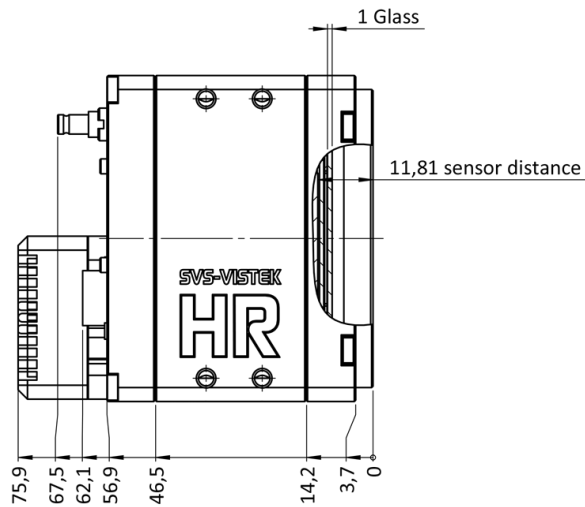
front



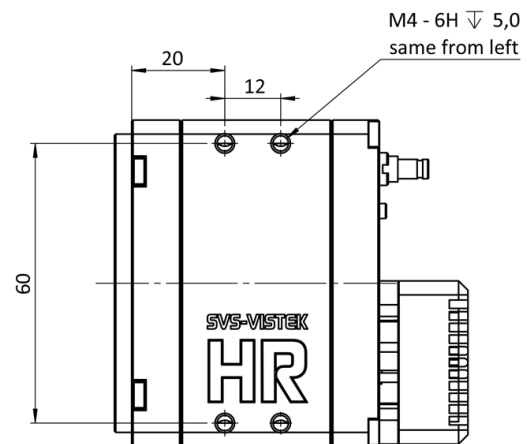
back



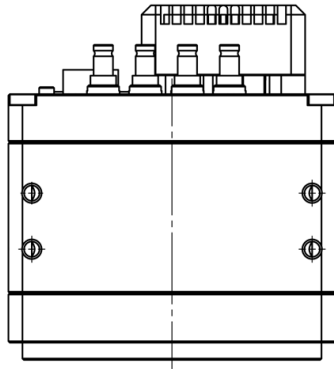
cross section



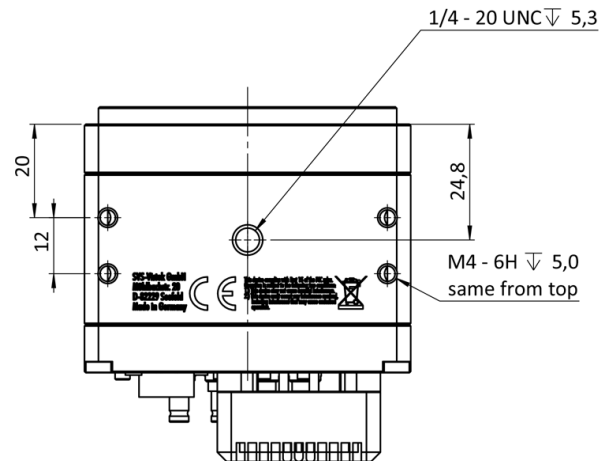
right side



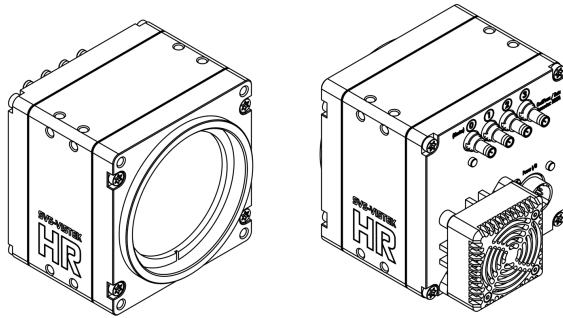
top



bottom

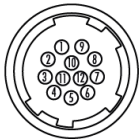


3D



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)