Allied Vision



HR 10GigE

hr51CXGE-G2

Generale

Modello	hr51CXGE-G2
Codice prodotto	F004154
Serie di prodotti	HR 10GigE
Stato	Deleted

Sensore

Tipo di sensore	Area scan
Croma	Color
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	8,424 × 6,032 (51.00 MP)
Modello sensore	Gpixel GMAX4651-BVC-BU2
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	38.75 × 27.75 mm (47.66 mm, 35mm Full Frame)
Dimensione pixel	4.60 µm × 4.60 µm

Formati pixel

Profondità bit sensore	8-Bit,12-Bit
Formati pixel RGB	bayer8, bayer12

Prestazioni di imaging

Gamma dinamica	65 dB
SNR	42.6 dB

Tempi e guadagno

Frequenza fotogrammi max.	23.7 fps
Tempo di esposizione	60 µs (max)
Guadagno	0.0 dB to 40.0 dB

I/O e alimentazione

Linee non isolate	0 x LVDS input, 0 x LVDS output0 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
Consumo energetico	External: 17 W (typical at 12 VDC)

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	77 × 70 × 70
Vetro filtro/protezione	IR-Cut 680
Classe IP	IP30
Attacco/i obiettivo	M58x0.75
Peso	380 g

Memoria onboard e FPGA

Buffer immagine (RAM)	448 MByte

Interfacce

Interfaccia digitale	10gige
Connettore interfaccia	(RJ-45)

Funzioni FW – Controllo immagine

Modalità di esposizione	Manual, Auto
Modalità di guadagno	Auto, Manual
Modalità di bilanciamento del bianco	auto, manual
Funzioni di controllo immagine	FW Features - Image Control

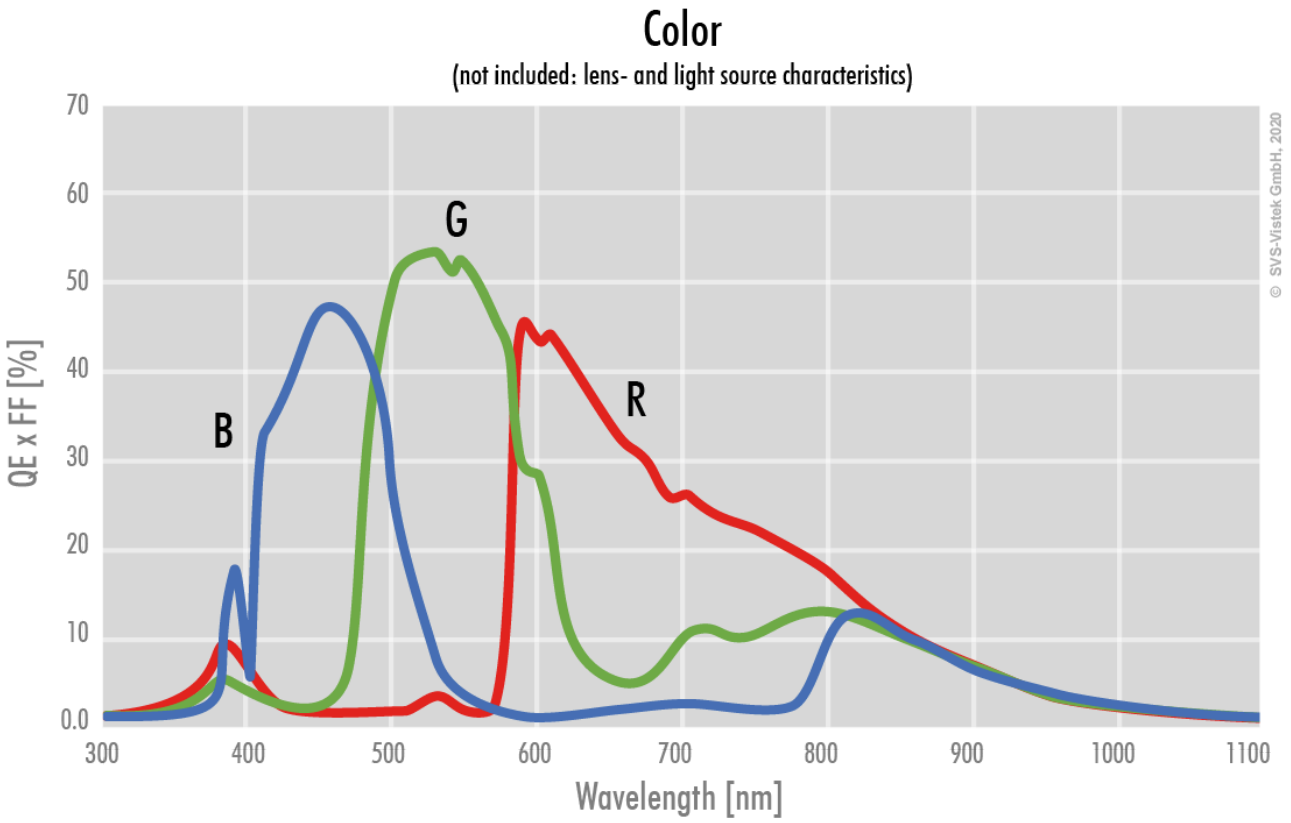
Funzioni FW – Controllo fotocamera

Modalità di trigger/sincronizzazione	INTERNAL,SOFTWARE,EXTERNAL

Funzioni FW – Controllo fotocamera

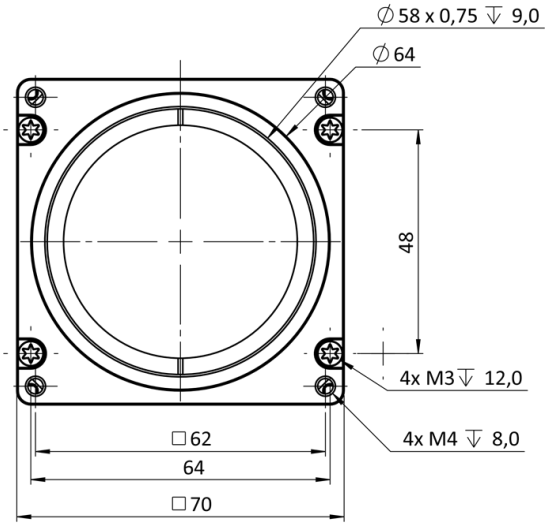
Funzioni di controllo della fotocamera	User Sets, POE, PWM(4), Sequencer,

Efficienza quantica

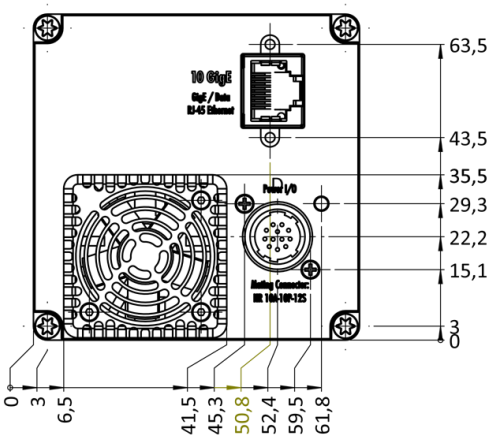


Disegno tecnico

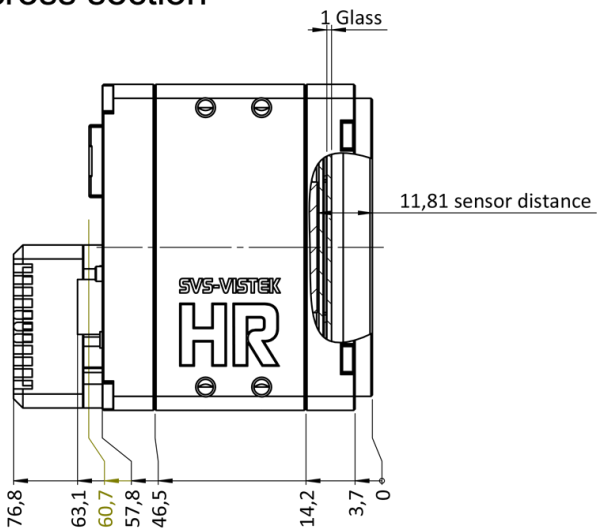
front



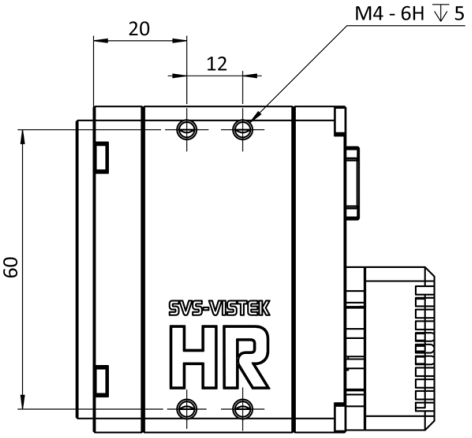
back



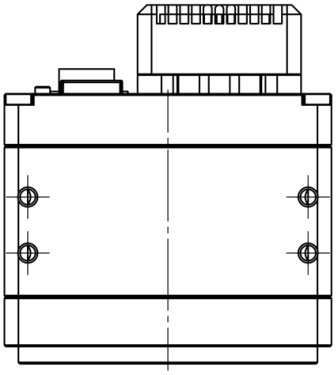
cross section



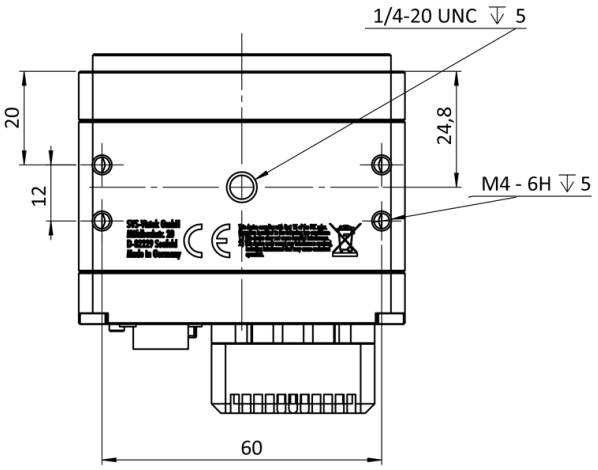
right side



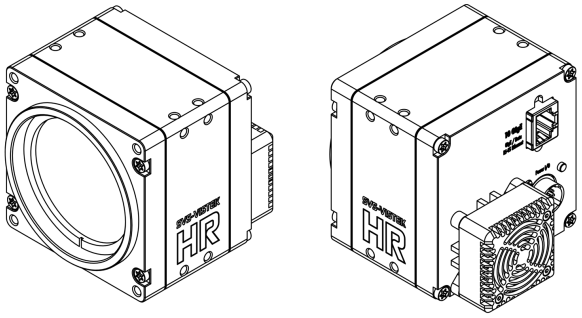
top



bottom

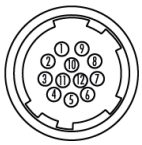


3D



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)