Allied Vision



HR CoaXPress

hr65CCX-12

Generale

Modello	hr65CCX-12
Codice prodotto	F004161
Serie di prodotti	HR CoaXPress
Stato	Available

Sensore

Tipo di sensore	Area scan
Croma	Color
Spettro	Visible
Gamma spettrale	400 nm to 1000 nm
Risoluzione	9,344 × 7,000 (65.00 MP)
Modello sensore	Gpixel GMAX3265
Architettura sensore (Materiale)	cmos
Tipi di otturatore	Global shutter (GS)
Dimensione sensore	29.9 × 22.4 mm (37.36 mm, Type 2.3)
Dimensione pixel	3.20 µm × 3.20 µm

Formati pixel

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

Prestazioni di imaging

Gamma dinamica	65.6 dB
SNR	40 dB

Tempi e guadagno

Frequenza fotogrammi max.	31.5 fps
Tempo di esposizione	14 µs to 60 s
Guadagno	0.0 dB to 18.0 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 CoaXPress
Consumo energetico	External: 10.5 W (typical)

Condizioni operative

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

Proprietà meccaniche

Dimensioni custodia (L x P x A in mm)	76 × 70 × 70
Vetro filtro/protezione	IR-Cut - 680nm
Classe IP	IP30
Attacco/i obiettivo	M58x0.75
Peso	420 g

Memoria onboard e FPGA

Memoria non volatile (Flash)	160 MByte

Interfacce

Interfaccia digitale	cxp-6 with 4 connections
Connettore interfaccia	(Din1.0/2.3)
Standard Vision	CoaXPress 1.0

Funzioni FW – Controllo immagine

Modalità di esposizione	manual, auto
Modalità di guadagno	auto, manual

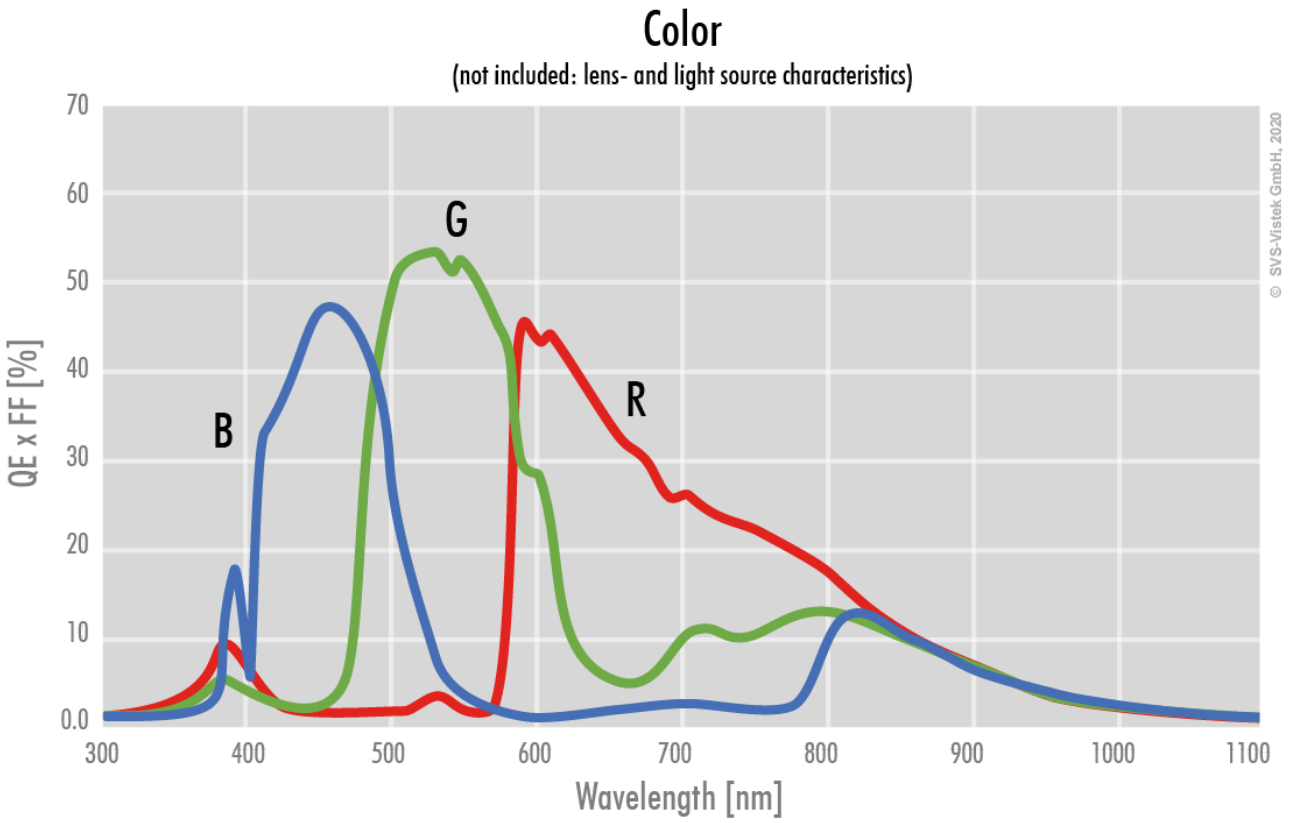
Funzioni FW – Controllo immagine

Modalità di bilanciamento del bianco	auto, manual
Funzioni di controllo immagine	roi, lut, mirror-image

Funzioni FW – Controllo fotocamera

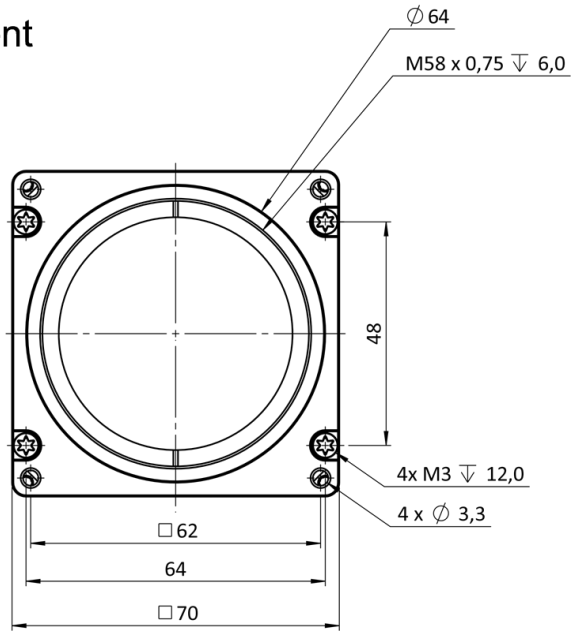
Modalità di trigger/sincronizzazione	internal, software, external
Funzioni di controllo della fotocamera	PoCxP, User Sets, PWM(4), Sequencer,

Efficienza quantica

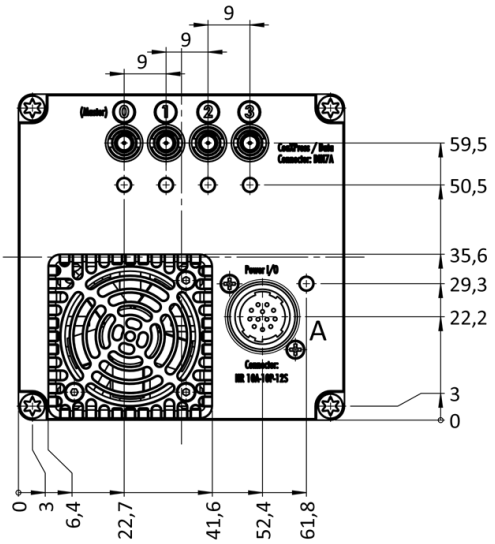


Disegno tecnico

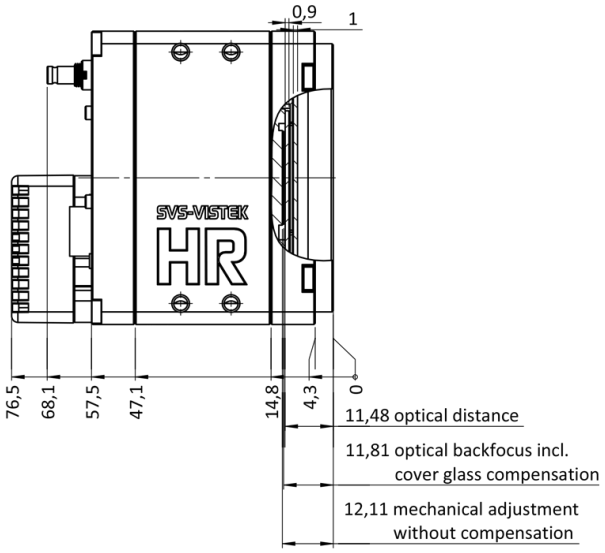
front



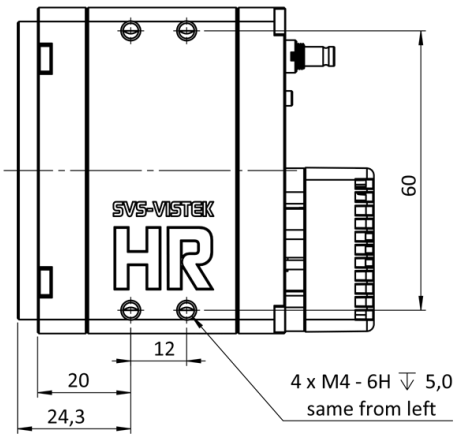
back



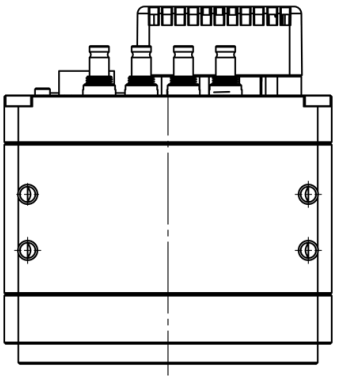
cross section



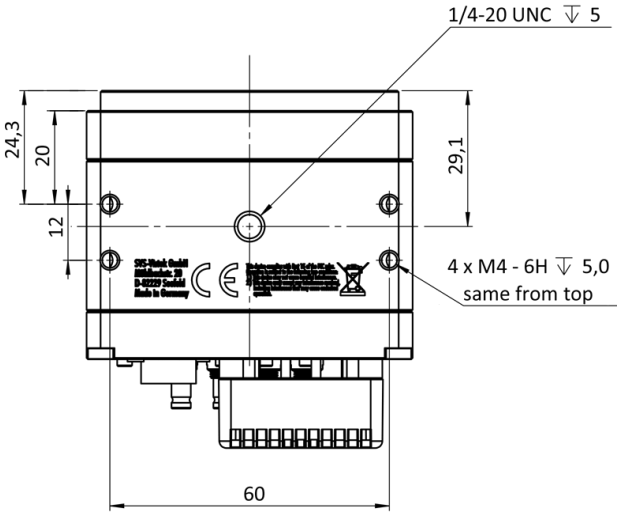
right side



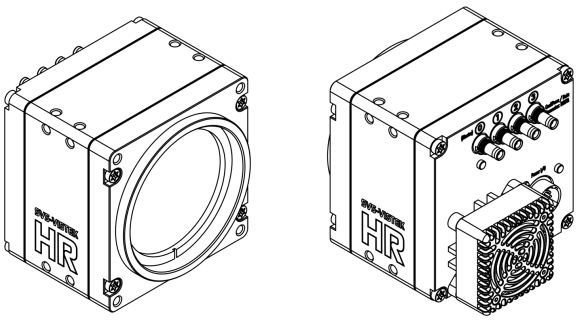
top



bottom

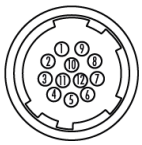


3D



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)