

Allied Vision

HR CoaXPress

hr65CCX

般	
型號	hr65CCX
產品編號	F004149
產品系列	HR CoaXPress
狀態	Available

感測器	
感測器類型	Area scan
色度	Color
光譜	Visible
光譜範圍	400 nm to 1000 nm
解析度	9,344 × 7,000 (65.00 MP)
感測器型號	Gpixel GMAX3265
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	29.9 × 22.4 mm (37.36 mm, Type 2.3)
像素大小	3.20 µm × 3.20 µm

像素格式	
感測器位深	8-bit, 10-bit
RGB 像素格式	bayer8, bayer10

影像性能	
動態範圍	65.6 dB
訊噪比	40 dB

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時序與增益	
最大影格率	35.5 fps
曝光時間	12 µs to 60 s
增益	0.0 dB to 18.0 dB

I/O 與電源	
非隔離線	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,
特定非隔離線	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
光隔離線	1 x Optical isolated input, 0 x Optical isolated input,
I/O 連接器	12-pin Hirose HR10A-10P-12S
電源供應	10 to 25VDC, Power over CoaXPress
功耗	External: 10.5 W (typical)

操作條件	
操作溫度	-10 °C to 65 °C (機殼)

機械特性	
機殼尺寸 (長 x 寬 x 高 mm)	76 × 70 × 70
濾光片/保護玻璃	IR-Cut - 680nm
防護等級	IP30
鏡頭接口	M58x0.75
重量	420 g

板載記憶體與 FPGA	
非揮發性記憶體 (Flash)	160 MByte

介面	
數位介面	cxp-6 with 4 connections
介面連接器	(Din1.0/2.3)
視覺標準	CoaXPress 1.0

FW 功能 – 影像控制	
曝光模式	manual, auto, external
增益模式	auto, manual

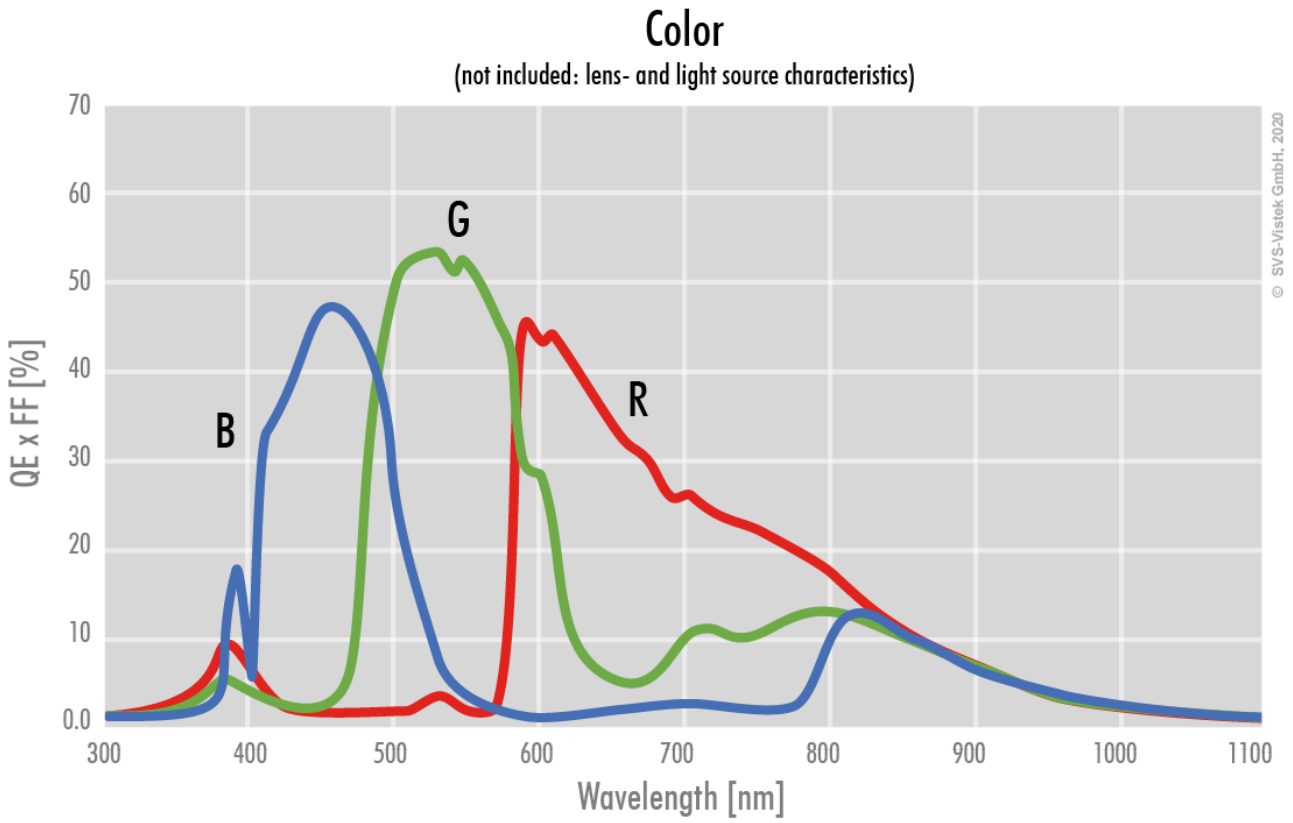
FW 功能 – 影像控制

白平衡模式	auto, manual
影像控制功能	roi, lut, mirror-image

FW 功能 – 相機控制

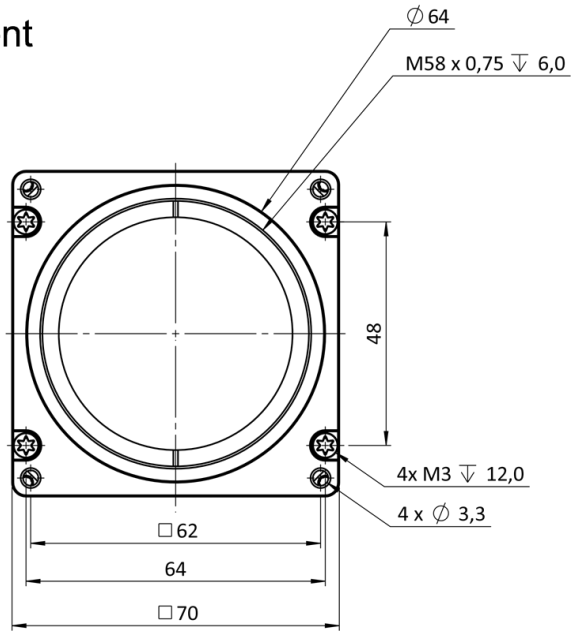
觸發模式/同步	internal, software, external
相機控制功能	PoCxP, User Sets, PWM(4), Sequencer,

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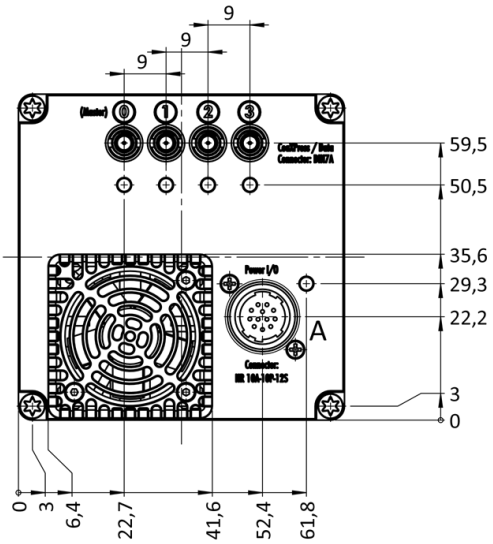

Color
(not included: lens- and light source characteristics)
QE x FF [%]
70
60
50
40
30
20
10
0.0
300
400
500
600
700
800
900
1000
1100
Wavelength [nm]
B
G
R
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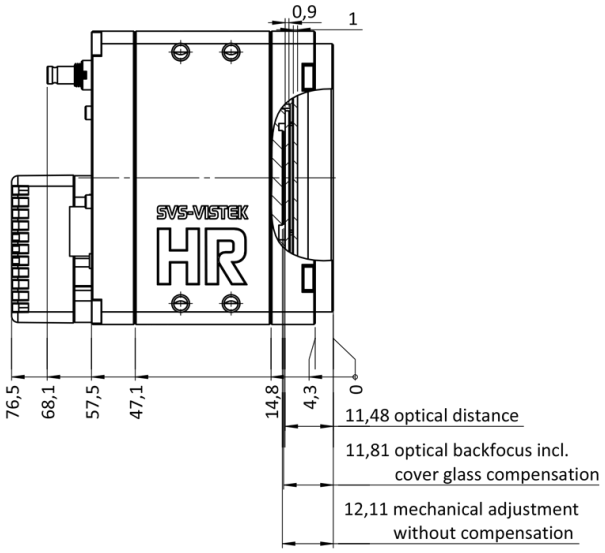
front



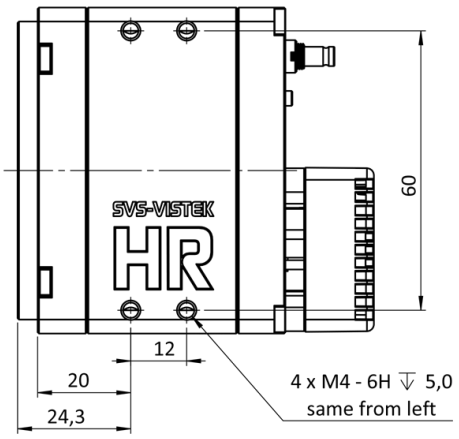
back



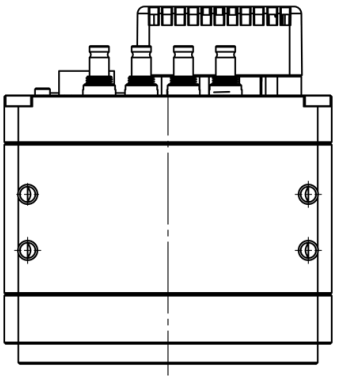
cross section



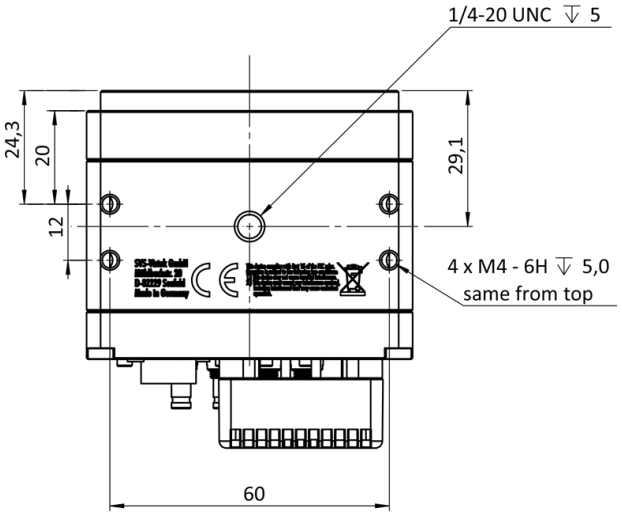
right side



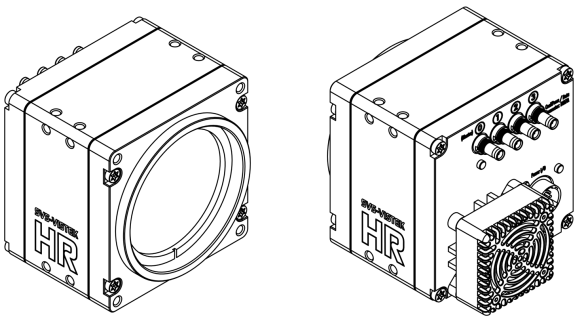
top



bottom

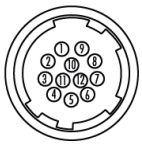


3D



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)