



一般

型號:	hr25MCX
產品編號:	F004053
產品系列:	HR CoaXPress
狀態:	Available

感測器

感測器類型:	Area scan
色度:	Mono
光譜:	Visible
光譜範圍:	400 nm to 1000 nm
解析度:	5,120 × 5,120 (25.00 MP)
感測器型號:	ON Semi PYTHON 25K
感測器架構 (材料):	cmos
快門類型:	global-shutter
感測器尺寸:	23.04 × 23.04 mm (32.58 mm, 32.58mm (APS-H))
像素大小:	4.50 μm × 4.50 μm

像素格式

感測器位深:	8-Bit,10-Bit
單色像素格式:	mono8, mono10

時序與增益

最大影格率:	81 fps
曝光時間:	35 μ s 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,
電源供應:	10 to 25VDC, Power over CoaXPress
功耗:	External: 15 W (typical)

操作條件

操作溫度 (機殼):	-10 °C to 60 °C
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機械特性

機殼尺寸 (長 x 寬 x 高 mm):	56 x 70 x 70
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
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介面

數位介面:	cxp-6 with 4 connections
介面連接器:	(Din1.0/2.3)

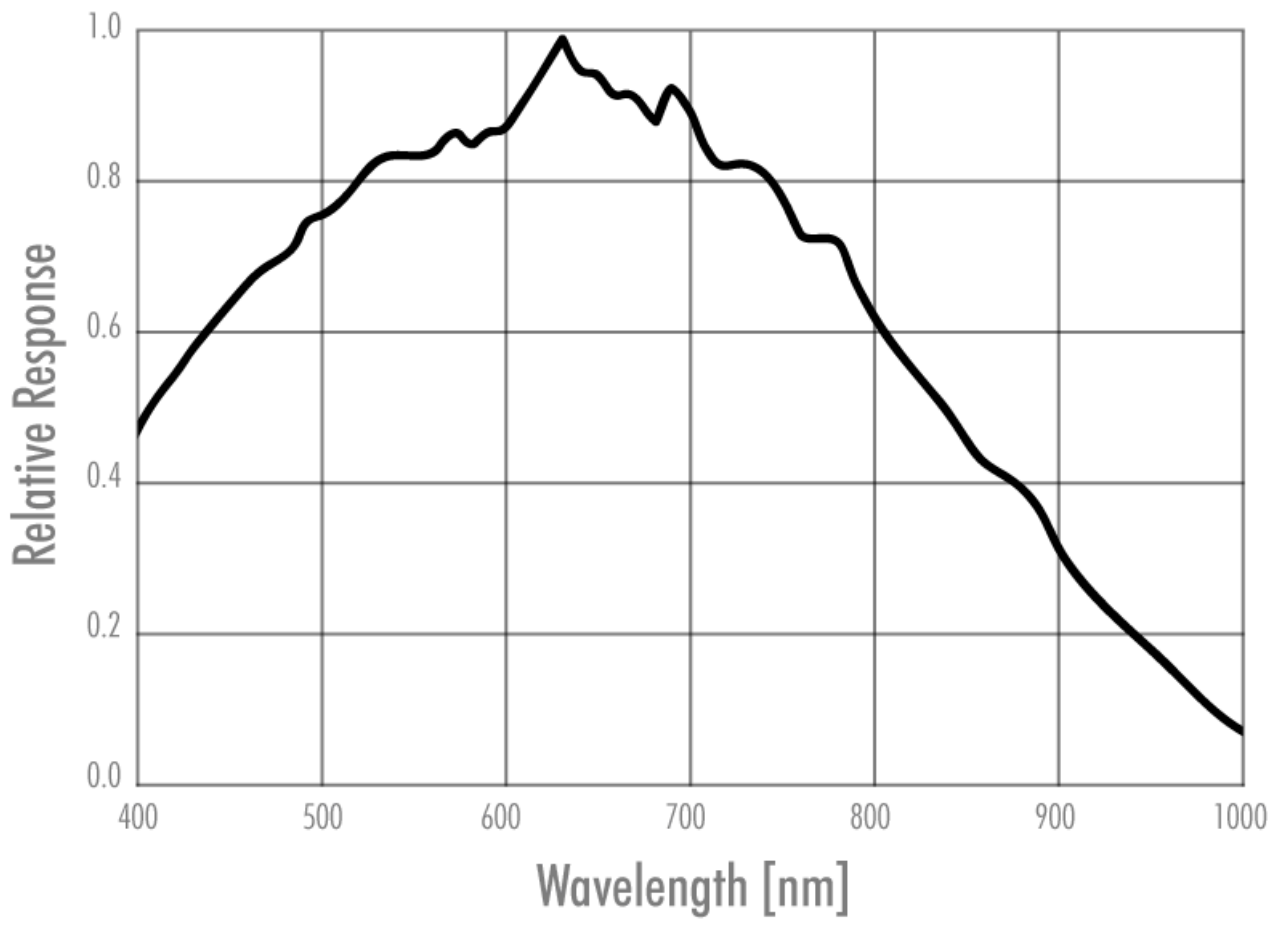
FW 功能 – 影像控制

曝光模式:	Manual, Auto, External
增益模式:	Auto, Manual
影像控制功能:	FW Features - Image Control

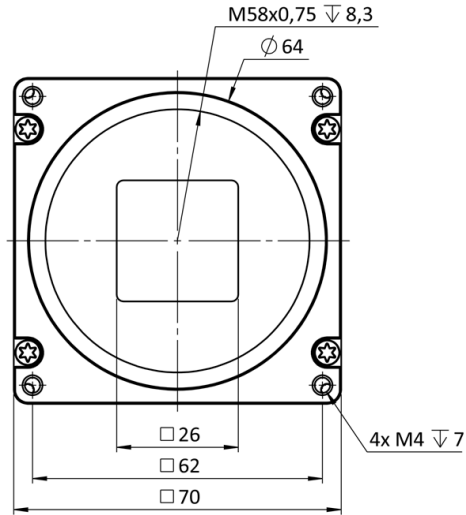
FW 功能 – 相機控制

觸發模式/同步:	INTERNAL, SOFTWARE, EXTERNAL
相機控制功能:	PoCxC, User Sets, PWM(4), Sequencer,

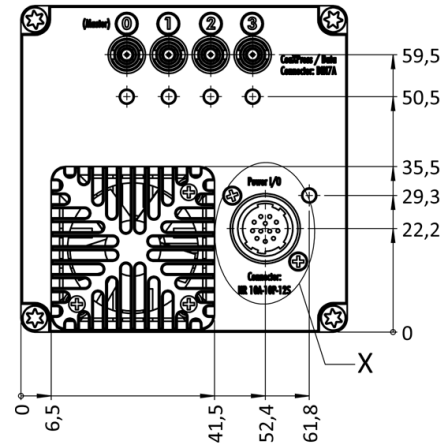
量子效率



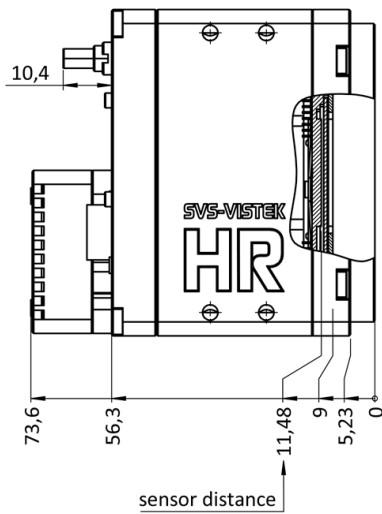
front view



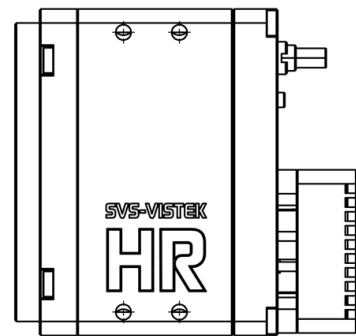
back view



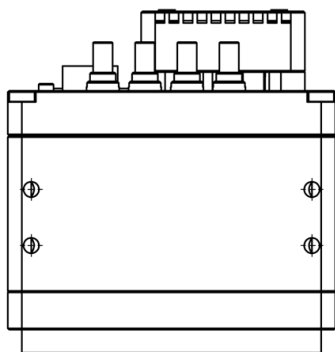
cross section



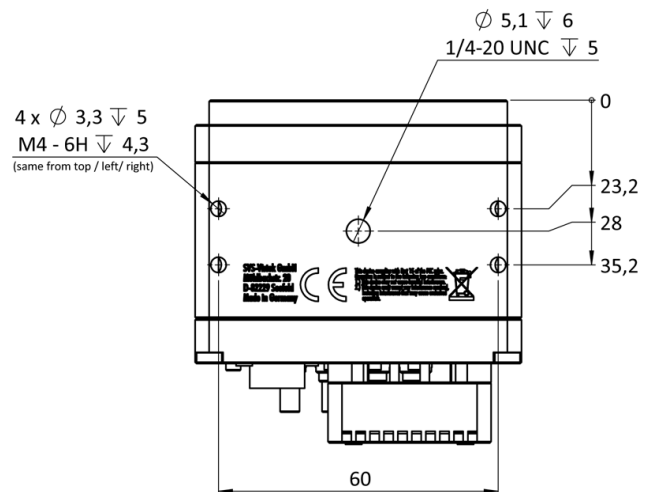
right view



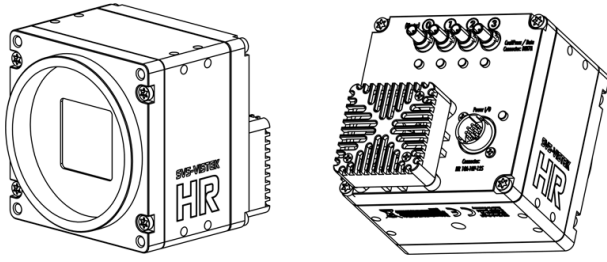
top view



bottom view

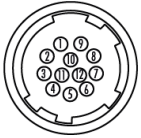


3D view



I/O 引腳分配

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)