



SHR 10GigE

shr411MXGE

一般

型號	shr411MXGE
產品編號	F004092
產品系列	SHR 10GigE
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	14,192 × 10,640 (151.00 MP)
感測器型號	Sony IMX411
感測器架構 (材料)	cmos
快門類型	Rolling shutter (RS)
感測器尺寸	53.36 × 40.01 mm (66.69 mm, Type 4.2)
像素大小	3.76 µm × 3.76 µm

像素格式

感測器位深	8-bit, 12-bit, 16-bit
單色像素格式	mono8, mono12, mono16

影像性能

動態範圍	78 dB
訊噪比	46.9 dB

時序與增益

最大影格率	6.2 fps
曝光時間	60 μ s to 60 s
增益	0.0 dB to 36.0 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 Ethernet (POE+, in option -P)
功耗	External: 19 W (typical)

操作條件

操作溫度 (機殼)	-10 °C to 65 °C
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機械特性

機殼尺寸 (長 x 寬 x 高 mm)	83 × 80 × 80
濾光片/保護玻璃	Borofloat B270i - AR coating
防護等級	IP30
鏡頭接口	M72x0.75
重量	580 g

介面

數位介面	10gige
介面連接器	(RJ-45)
視覺標準	GigE Vision 2.0

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	lut, mirror-image, dpc, shading-correction, ffc

FW 功能 – 相機控制

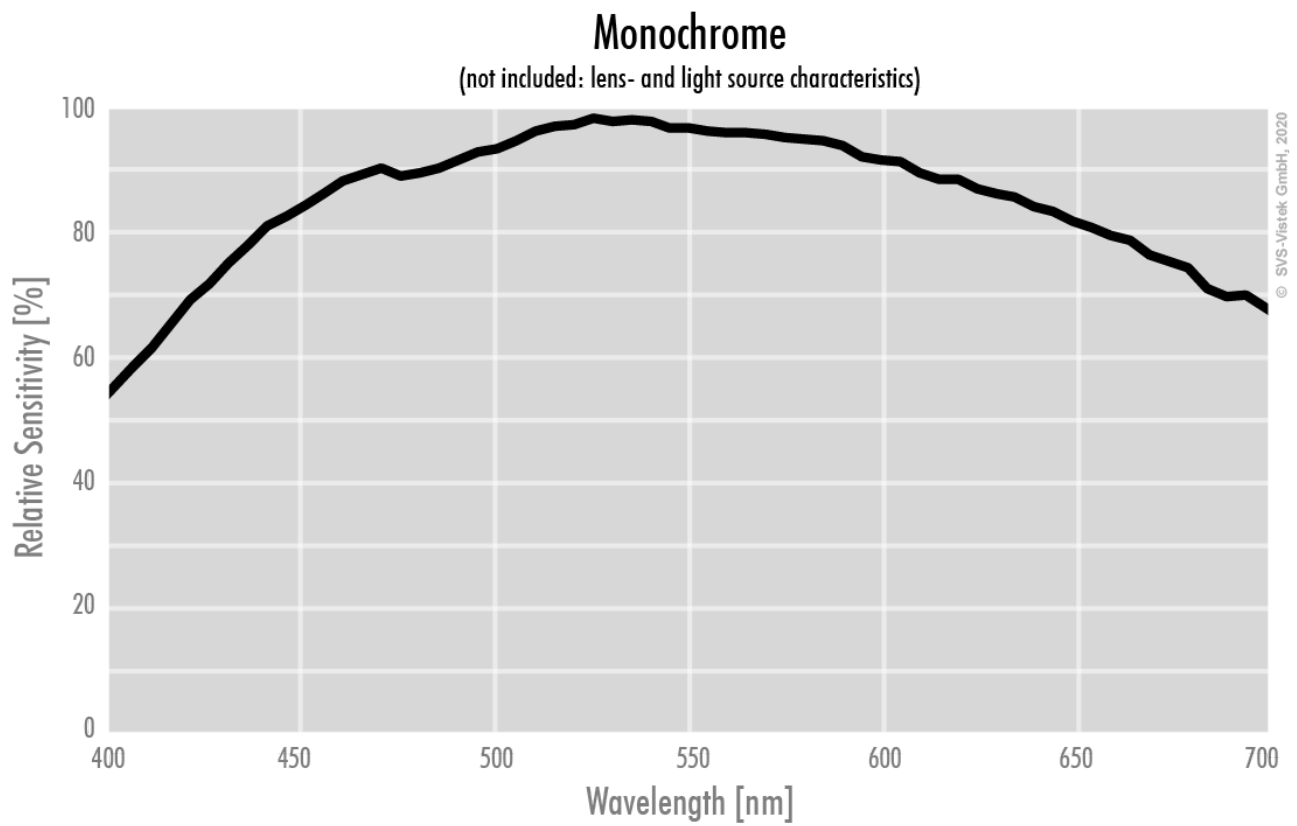
觸發模式/同步

internal, software, external

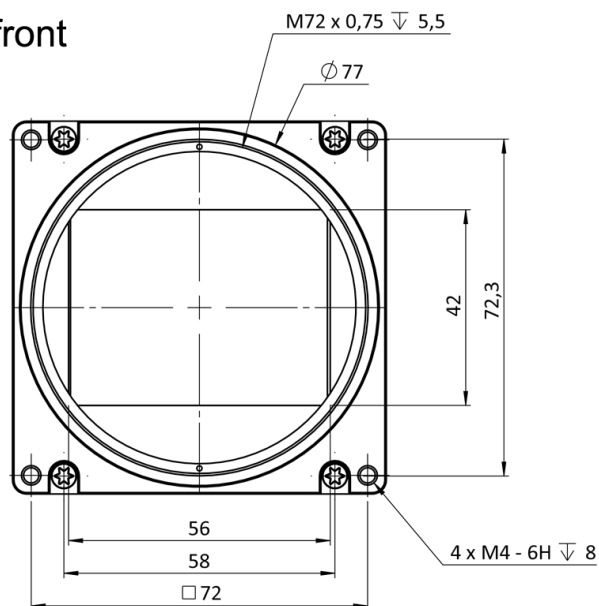
相機控制功能

User Sets, POE, PWM(4), Sequencer,

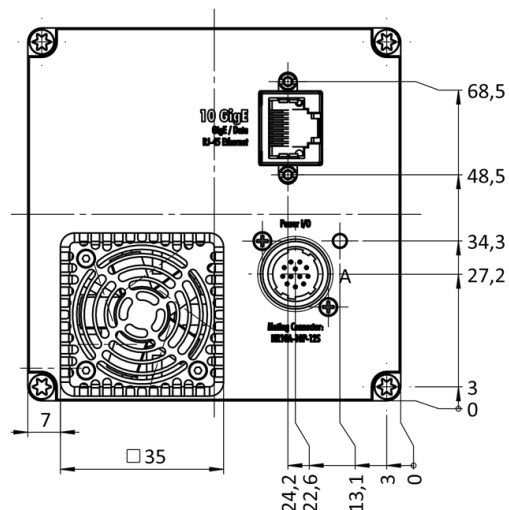
量子效率



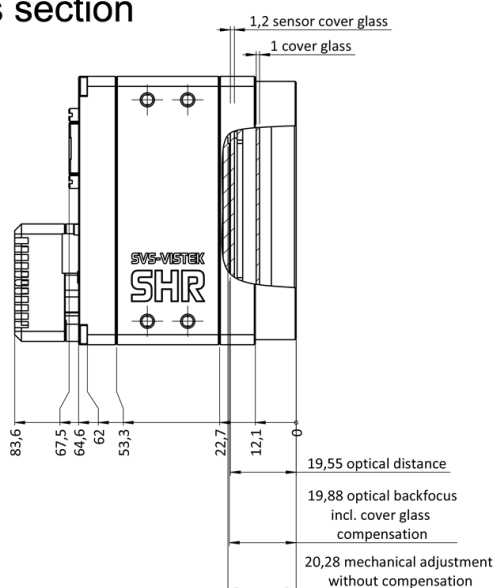
front



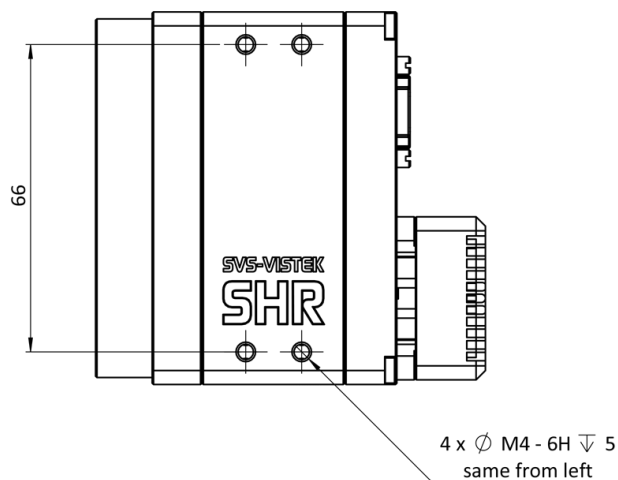
back



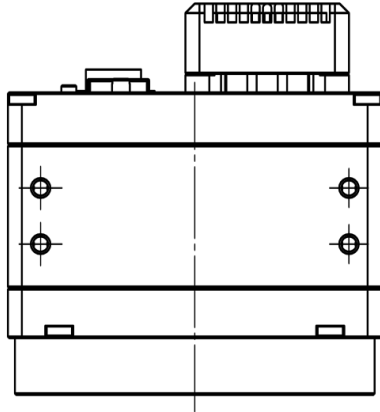
cross section



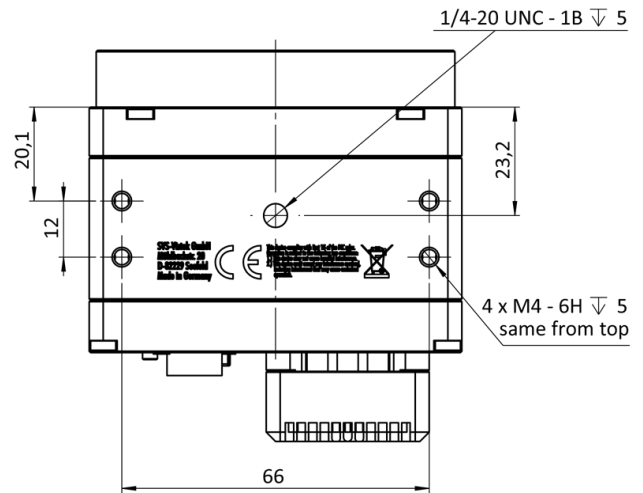
right side



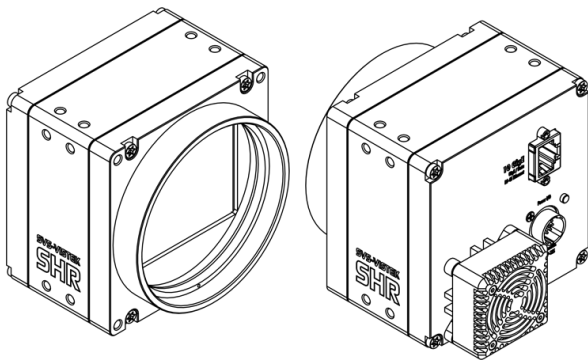
top



bottom



3D



I/O 引脚分配



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)