



HR 10GigE

hr387MXGE

一般

型號	hr387MXGE
產品編號	F004075
產品系列	HR 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	5,440 × 3,076 (16.70 MP)
感測器型號	Sony IMX387
感測器架構 (材料)	cmos
快門類型	Global shutter (GS)
感測器尺寸	18.77 × 10.61 mm (21.56 mm, 21.7mm (Type 4/3))
像素大小	3.45 µm × 3.45 µm

像素格式

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

時序與增益

最大影格率	56.4 fps
曝光時間	21 µs to 60 s
增益	0.0 dB to 48.0 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 Ethernet (POE+, in option -P)
功耗	External: 15.5 W (typical)

機械特性

機殼尺寸 (長 x 寬 x 高 mm)	80 x 70 x 70
濾光片/保護玻璃	N-BK7 - AR coating 380-850nm
防護等級	IP30
鏡頭接口	M58x0.75
重量	400 g

板載記憶體與 FPGA

影像緩衝區 (RAM)	448 MByte
非揮發性記憶體 (Flash)	32 MByte

介面

數位介面	10gige
介面連接器	(RJ-45)

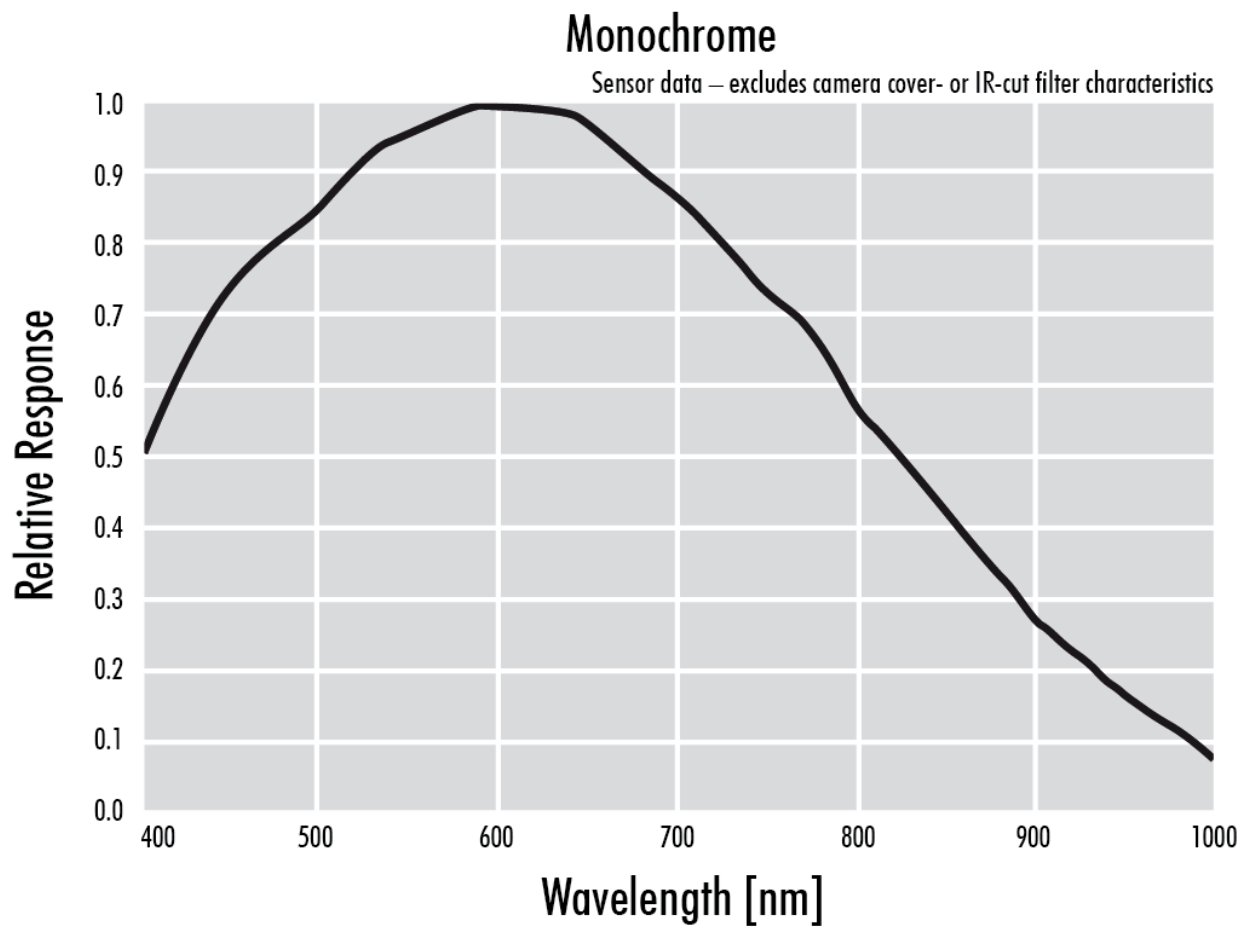
FW 功能 – 影像控制

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



Technical drawing of the front view of a square plate. The drawing includes the following dimensions and features:

- Outer square side: 64
- Central square hole: 26 x 26
- Outer circular hole diameter: $\varnothing 64$
- Corner hole diameter: $M58 \times 0,75 \nabla 8,5$
- Plate thickness: 8,5
- Fillet radius at corners: R3 (4x)

Technical drawing of the SVS-VISTEK HR unit, showing front and side views with dimensions in millimeters (mm).

Front View Dimensions:

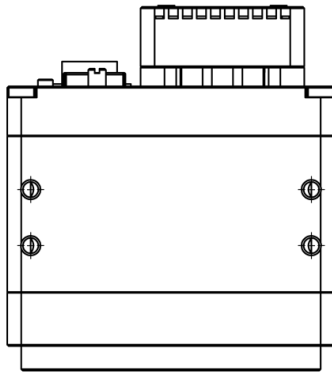
- Top width: 3,8
- Left height: 78,1
- Bottom left height: 60,8
- Bottom center height: 50,2
- Bottom right height: 16,7
- Right side height: 11,48
- Right side height: 9
- Right side height: 5,2
- Right side height: 0

Side View Dimensions:

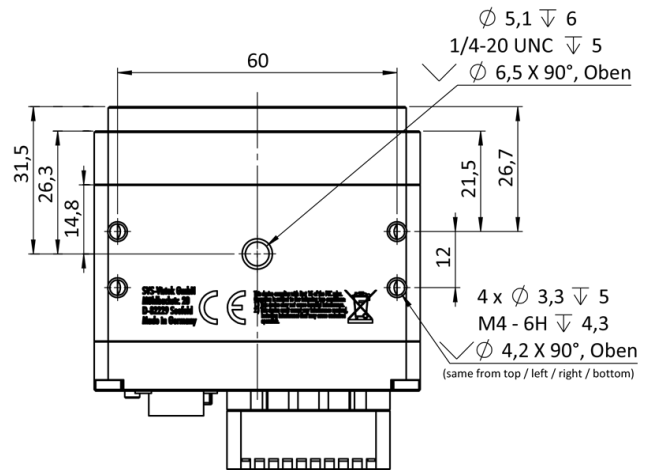
- Top width: 3,8
- Left height: 78,1
- Bottom left height: 60,8
- Bottom center height: 50,2
- Bottom right height: 16,7
- Right side height: 11,48
- Right side height: 9
- Right side height: 5,2
- Right side height: 0

Unit Label: SVS-VISTEK HR

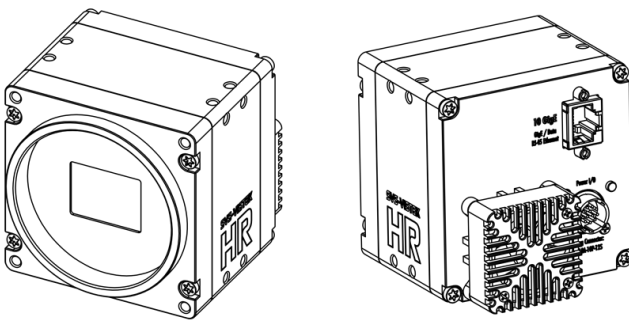
top view



bottom view



3D view



I/O 引腳分配



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)