



HR 10GigE

hr65MXGE-G2

Preliminary product information. Features and technical specifications are subject to change without notice.

일반

모델	hr65MXGE-G2
제품 코드	F004147
제품 시리즈	HR 10GigE
상태	Coming soon

센서

센서 유형	Area scan
크로마	Mono
스펙트럼	Visible
스펙트럼 범위	400 nm to 1000 nm
해상도	9,344 × 7,000 (65.00 MP)
센서 모델	Gpixel GMAX3265
센서 아키텍처 (소재)	cmos
셔터 유형	Global shutter (GS)
센서 크기	29.9 × 22.4 mm (37.36 mm, Type 2.3)
픽셀 크기	3.20 μm × 3.20 μm

픽셀 형식

센서 비트 심도	8-bit, 12-bit
모노크롬 픽셀 형식	mono8, mono12

이미징 성능

다이나믹 레인지	65.6 dB
SNR	40 dB

타이밍 및 게인

최대 프레임 속도	17.4 fps
노출 시간	22 μ s to 60 s
게인	0.0 dB to 18.0 dB

I/O 및 전원

비절연 라인	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,
특정 비절연 라인	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
광절연 라인	1 x Optical isolated input, 0 x Optical isolated output,
I/O 커넥터	12-pin Hirose HR10A-10P-12S
전원 공급 장치	10 to 25VDC, Power over Ethernet (POE+, in option -P)
전력 소비	External: 15 W (typical)

기계적 특성

본체 치수 (L x W x H mm)	76 × 70 × 70
필터/보호 유리	N-BK7 - AR coating
IP 등급	IP30
렌즈 마운트	M58x0.75
무게	420 g

온보드 메모리 및 FPGA

이미지 버퍼 (RAM)	448 MByte
비휘발성 메모리 (플래시)	32 MByte

인터페이스

디지털 인터페이스	10gige
인터페이스 커넥터	(RJ-45)
비전 표준	GigE Vision 2.0

FW 기능 - 이미지 제어

노출 모드	manual, auto
게인 모드	auto, manual
이미지 제어 기능	roi, lut, mirror-image, dpc, shading-correction, ffc

FW 기능 - 카메라 제어

트리거 모드/동기화

internal, software, external

카메라 제어 기능

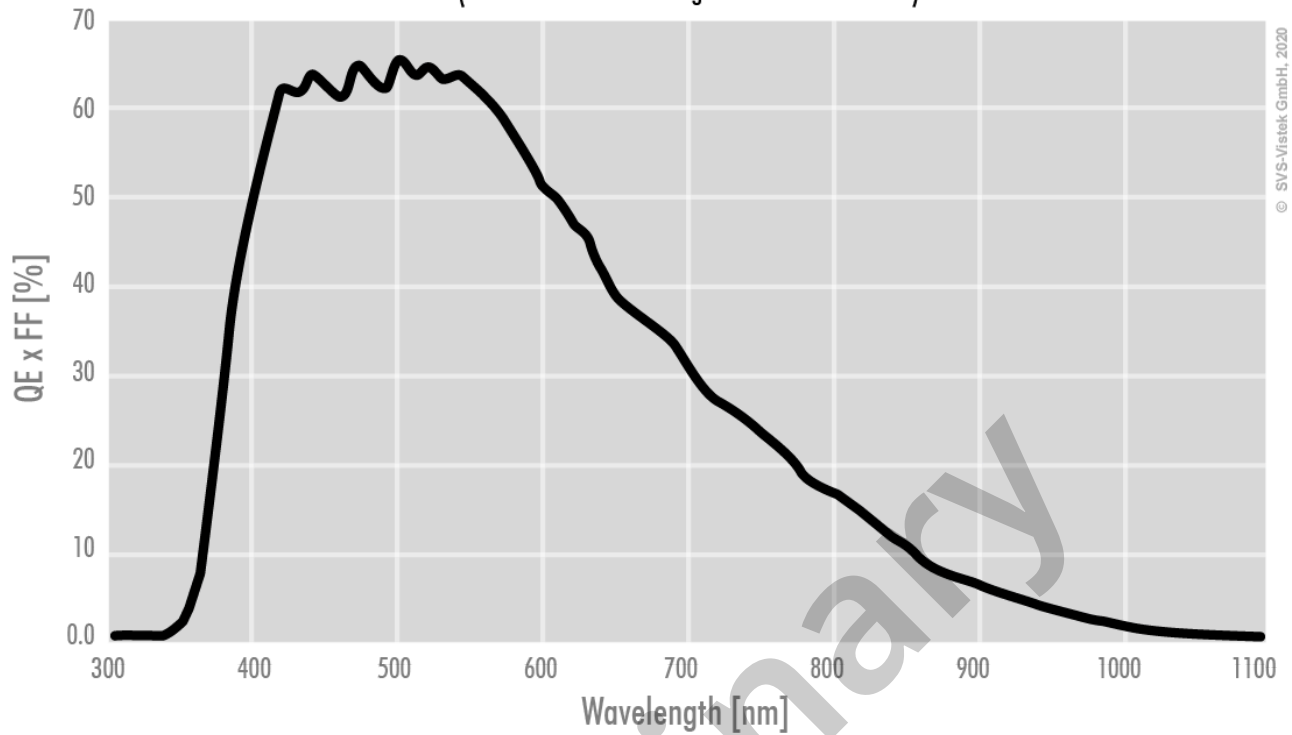
User Sets, POE, PWM(4), Sequencer,

preliminary

Quantum Efficiency

Monochrome

(not included: lens- and light source characteristics)



Technical drawing of the front view of a square flange. The drawing shows a square flange with a central circular opening. The outer square has a width of 70 mm. The central opening has an outer diameter of 58 mm and a thickness of 0.75 mm. The flange is secured with four M3 screws, each with a height of 12 mm. The mounting holes for these screws are spaced 62 mm apart. The flange has a total thickness of 64 mm. The drawing includes dimension lines and labels for all key features.

Dimensions and features:

- Outer square width: 70
- Inner circular diameter: $\varnothing 58$
- Inner circular thickness: 0,75
- Mounting holes: 4 x M3 $\nabla 12$
- Mounting hole spacing: 62
- Flange thickness: 64
- Flange outer diameter: $\varnothing 64$

Technical drawing of the SVS-VISTEK HR camera module, showing dimensions and optical specifications.

Dimensions (mm):

- 0,9 sensor cover glass
- 1 cover glass
- 77,4
- 61,2
- 58,4
- 47,1
- 14,8
- 4,3
- 0

Optical Specifications:

- 11,48 optical distance
- 11,81 optical back focus incl. cover glass compensation
- 12,11 mechanical adjustment without compensation

60

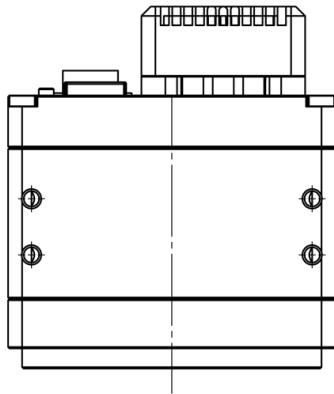
SVS-VISTEK
HR

12

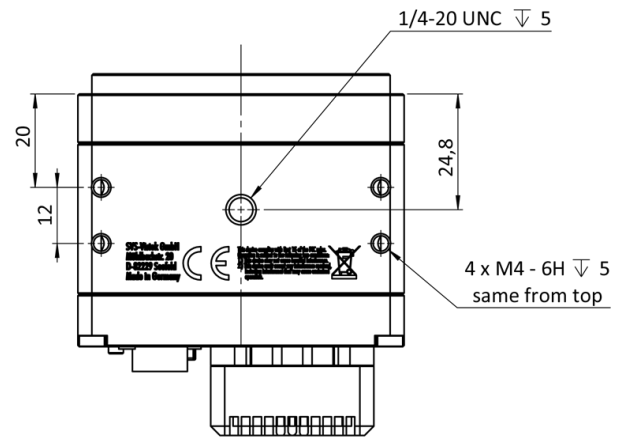
20

4 x M4 - 6H 5
same from left

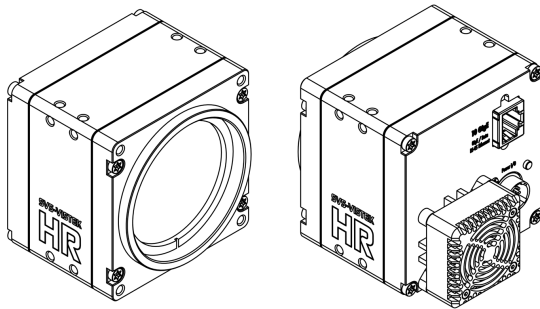
top



bottom



3D



I/O pin assignment



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)