

Allied Vision

HR Camera Link

hr65CCL

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

일반	
모델	hr65CCL
제품 코드	F004145
제품 시리즈	HR Camera Link
상태	Prototype/engineering sample

센서	
센서 유형	Area scan
크로마	Color
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, 10-bit
RGB 픽셀 형식	bayer8, bayer10

이미징 성능	
다이나믹 레인지	65.6 dB
SNR	40 dB

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타이밍 및 게인

최대 프레임 속도	13 fps
노출 시간	21 µs 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 input,
I/O 커넥터	12-pin Hirose HR10A-10P-12S
전원 공급 장치	10 to 25VDC
전력 소비	External: 9 W (typical)

기계적 특성

본체 치수 (L x W x H mm)	76 × 70 × 70
필터/보호 유리	IR-Cut - 680nm
IP 등급	IP30
렌즈 마운트	M58x0.75
무게	420 g

온보드 메모리 및 FPGA

비휘발성 메모리 (플래시)	32 MByte

인터페이스

디지털 인터페이스	camera link 80-bit
인터페이스 커넥터	SDR

FW 기능 - 이미지 제어

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

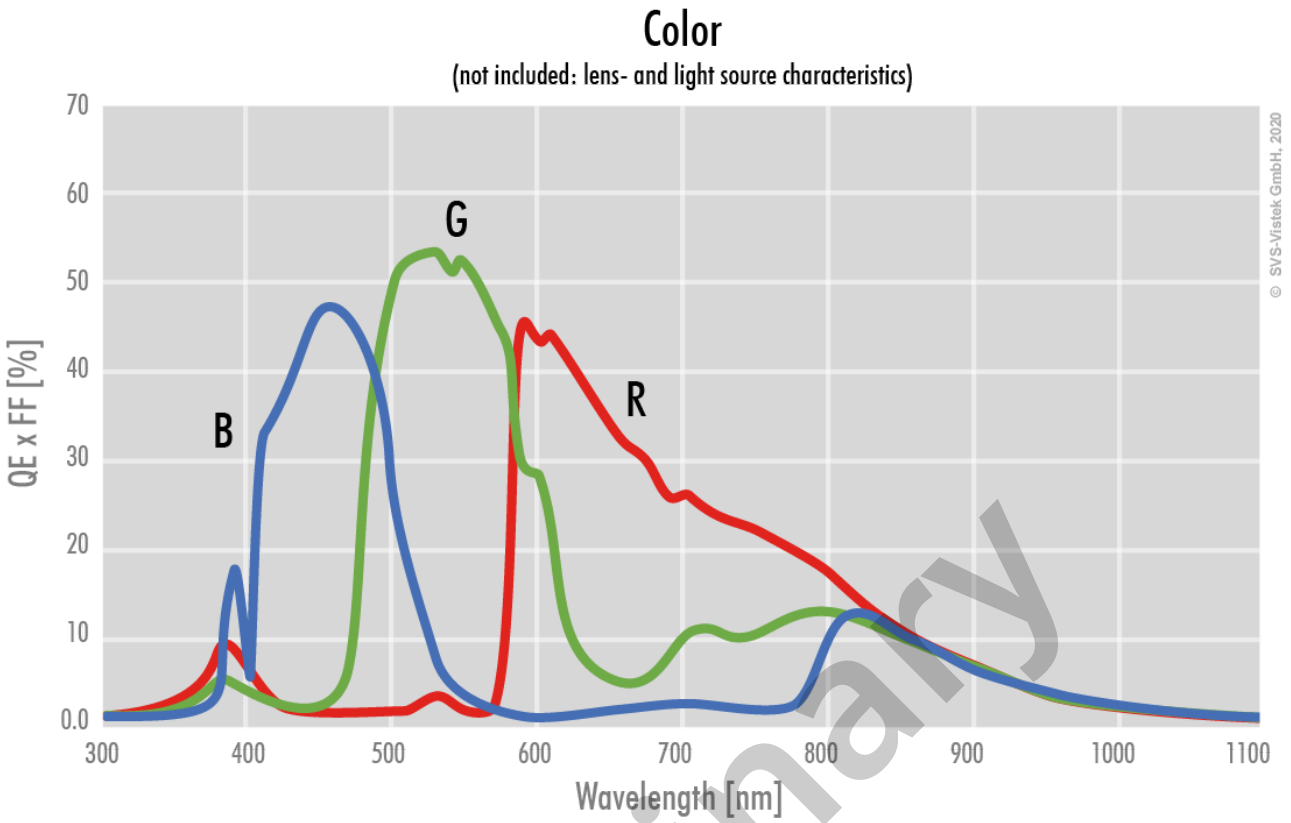
preliminary

FW 기능 - 카메라 제어

트리거 모드/동기화	internal, software, external
카메라 제어 기능	User Sets, PWM(4), Sequencer,

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Quantum Efficiency

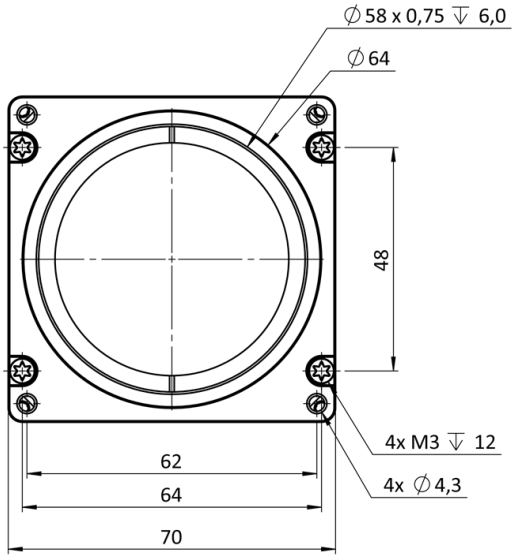


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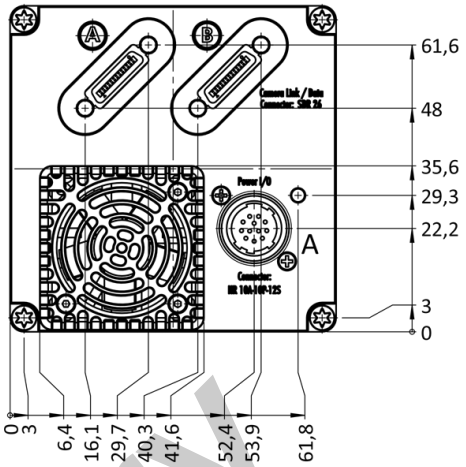
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Technical Drawing

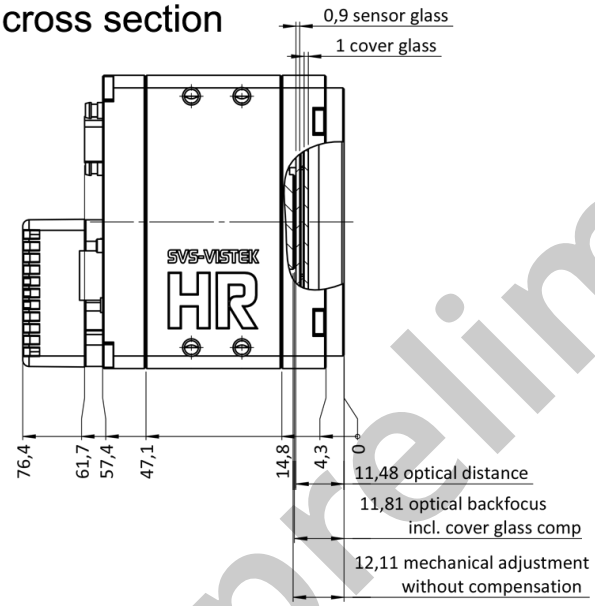
front



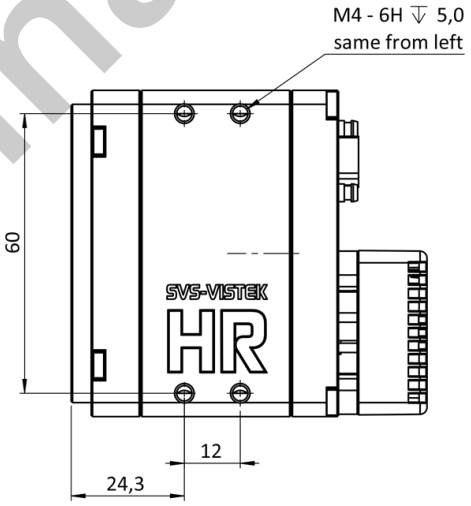
back



cross section

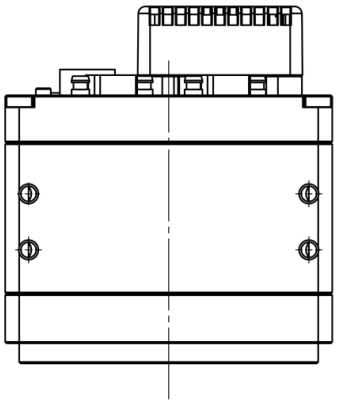


right side

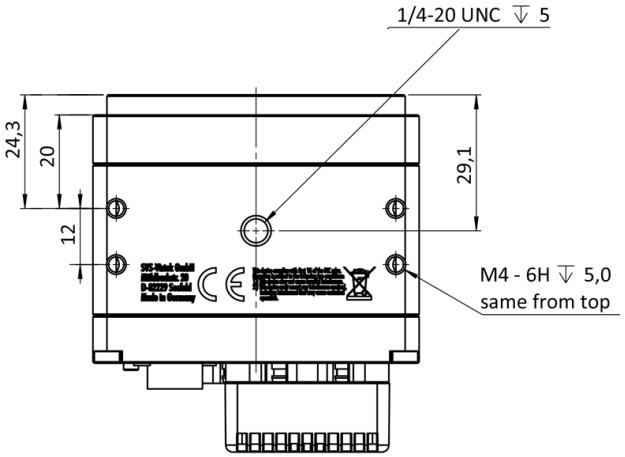


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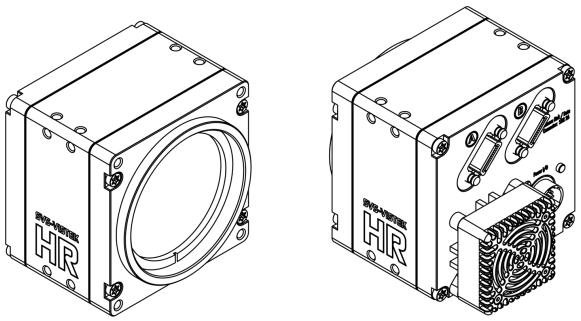
top



bottom

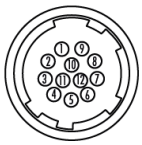


3D



I/O pin assignment

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)

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