

Allied Vision

HR Camera Link

hr49MCL

일반	
모델	hr49MCL
제품 코드	F004136
제품 시리즈	HR Camera Link
상태	Available

센서	
센서 유형	Area scan
크로마	Mono
스펙트럼	Visible
스펙트럼 범위	400 nm to 1000 nm
해상도	7,008 × 7,000 (49.00 MP)
센서 모델	Gpixel GMAX3265-49
센서 아키텍처 (소재)	cmos
셔터 유형	Global shutter (GS)
센서 크기	22.43 × 22.4 mm (31.7 mm, Type 2.3)
픽셀 크기	3.20 µm × 3.20 µm

픽셀 형식	
센서 비트 심도	8-bit, 10-bit
모노크롬 픽셀 형식	mono8, mono10

타이밍 및 게인	
최대 프레임 속도	17 fps
노출 시간	21 µs to 60 s
게인	0.0 dB to 18.0 dB

I/O 및 전원

디지털 입출	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,
직렬 포트 입출	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
디지털 입출	1 x Optical isolated input, 0 x Optical isolated input,
I/O 커넥터	12-pin Hirose HR10A-10P-12S
전원 공급 전압	10 to 25VDC
전원 소비	External: 9 W (typical)

작동 조건

작동 온도	-10 °C to 45 °C (냉각, 결로 없음)

물리적 특성

치수 (L x W x H mm)	76 × 70 × 70
IP 등급	IP30
렌즈 마운트	M58x0.75
무게	420 g

메모리 구성 및 FPGA

프레임 버퍼 (메모리)	32 MByte

인터페이스

디지털 인터페이스	camera link 80-bit
인터페이스 표준	SDR

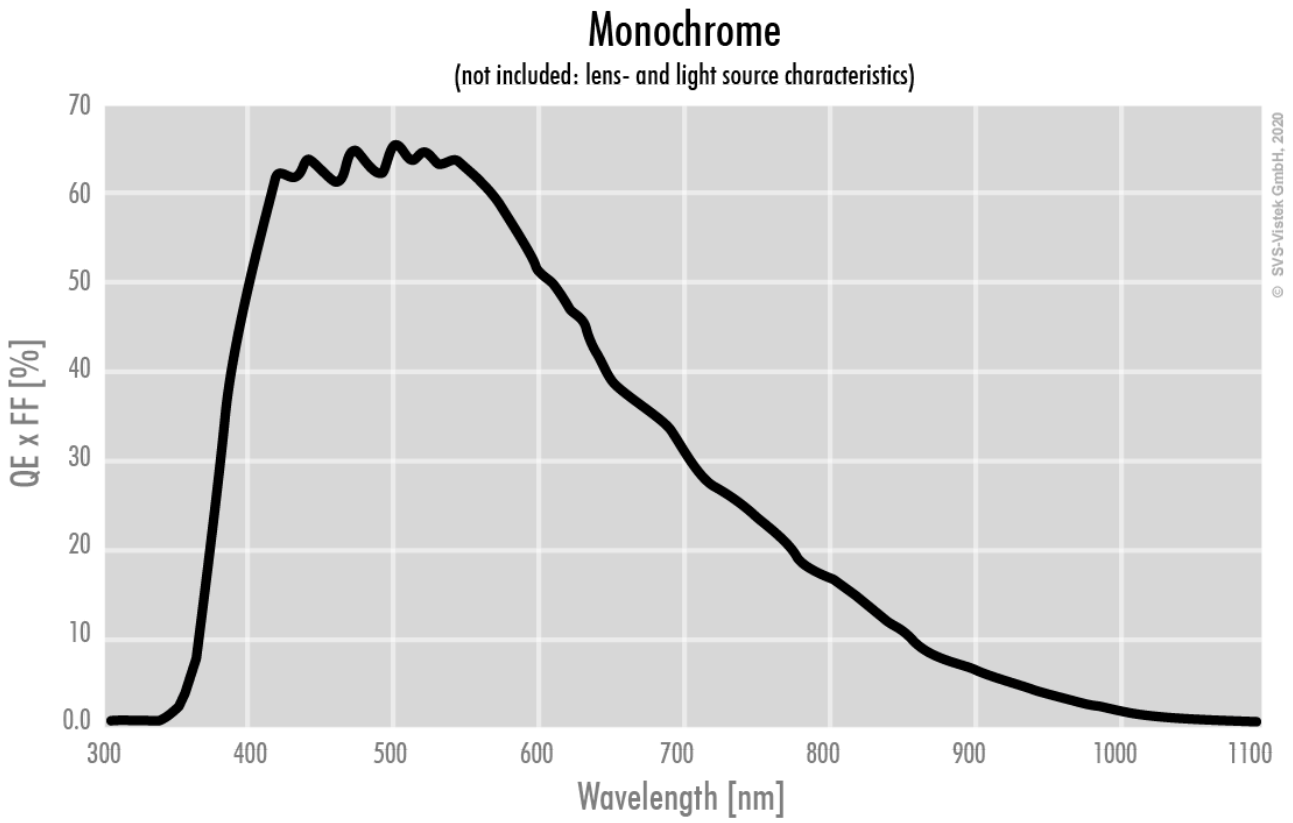
FW 기능 - 이미지 처리

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

FW 기능 - 일반적 기능

트리거 소스/종류	internal, software, external
일반적 기능	User Sets, PWM(4), Sequencer,

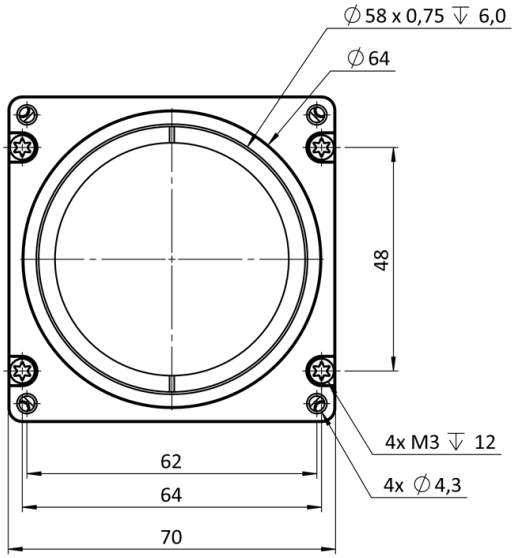
Quantum Efficiency



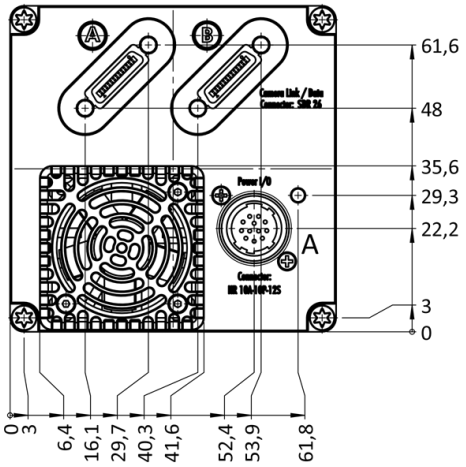
Allied Vision

Technical Drawing

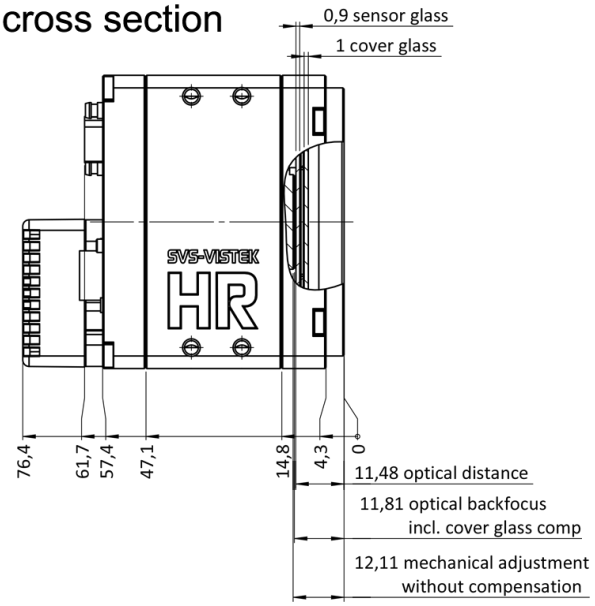
front



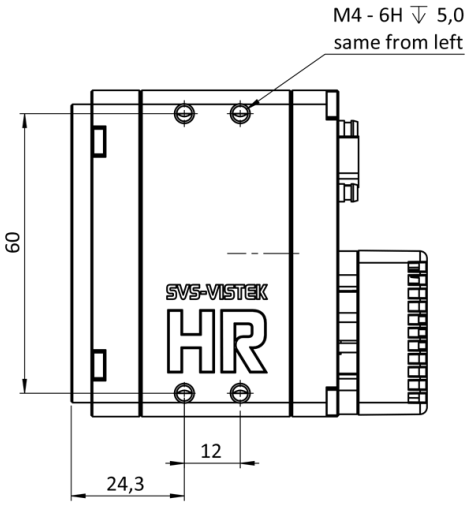
back



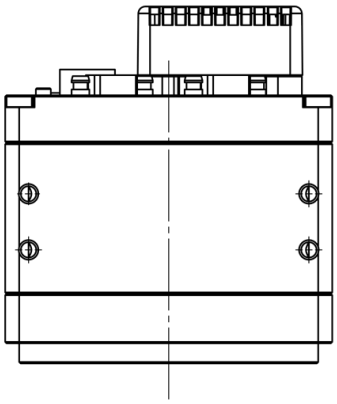
cross section



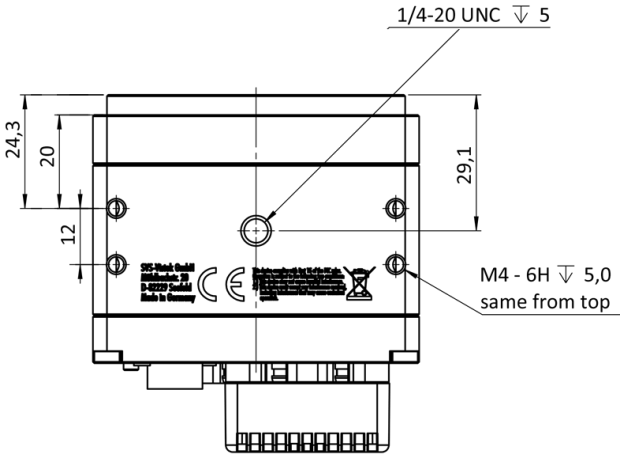
right side



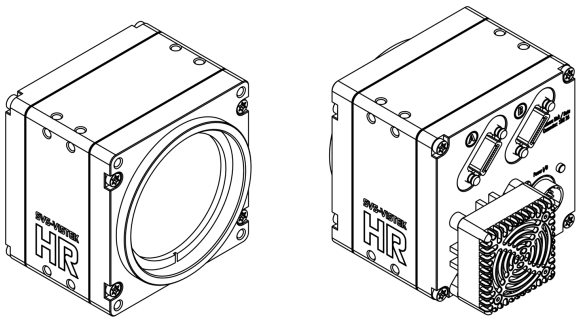
top



bottom

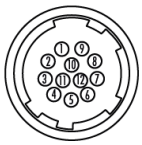


3D



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)