

Allied Vision

SHR 10GigE

shr411MXGE-T

일반	
모델	shr411MXGE-T
제품 코드	F004240
제품 시리즈	SHR 10GigE
상태	Available

센서	
센서 유형	Area scan
크로마	Mono
스펙트럼	Visible
스펙트럼 범위	400 nm to 1000 nm
해상도	14,192 × 10,640 (151.00 MP)
센서 모델	Sony IMX411
센서 아키텍처 (소재)	cmos
셔터 유형	Rolling shutter (RS)
센서 크기	53.36 × 40.01 mm (66.69 mm, Type 4.2)
픽셀 크기	3.76 µm × 3.76 µm

픽셀 형식	
센서 비트 심도	8-bit, 10-bit, 12-bit, 16-bit
모노크롬 픽셀 형식	mono8, mono10, mono12, mono16

이미징 성능	
다이나믹 레인지	78 dB
SNR	46.9 dB

타이밍 및 게인

최대 프레임 속도	6.2 fps
노출 시간	60 µs to 60 s
게인	0.0 dB to 36.0 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	21 to 25VDC, Power over Ethernet (POE+)
전력 소비	External: 30 W (typical)

작동 조건

작동 온도	-10 °C to 70 °C (하우징)

기계적 특성

본체 치수 (L x W x H mm)	107 × 80 × 80
필터/보호 유리	Borofloat B270i - AR coating
IP 등급	IP30
렌즈 마운트	M72x0.75
무게	810 g

인터페이스

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

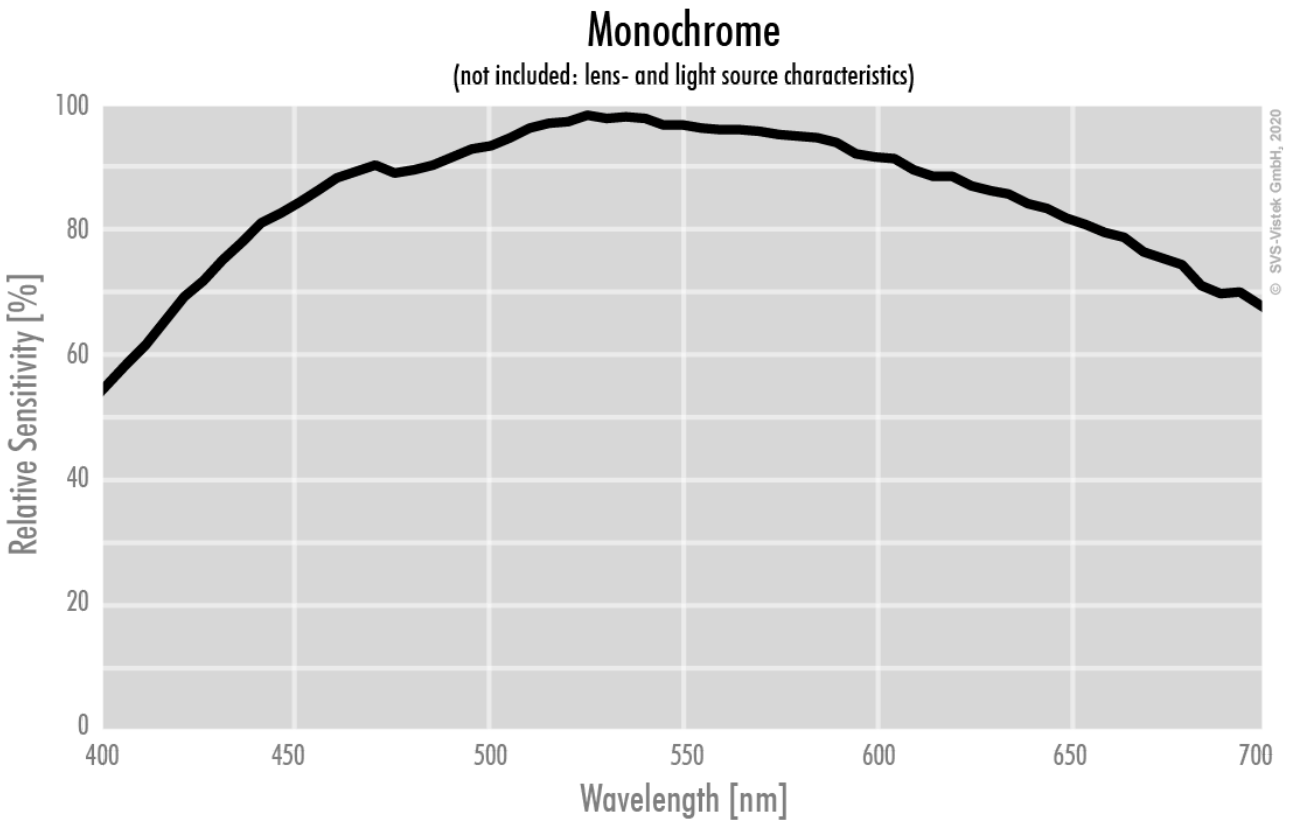
FW 기능 - 이미지 제어

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

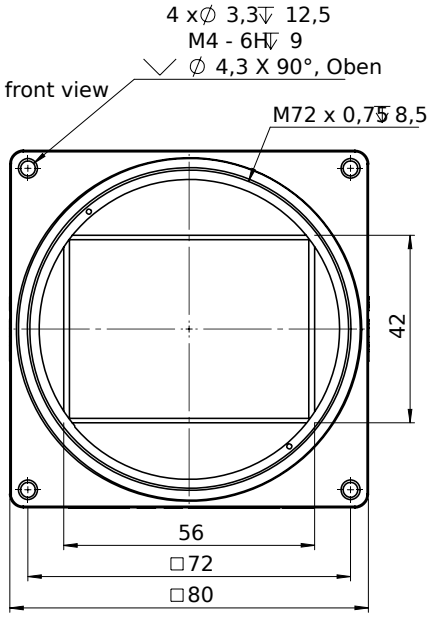
FW 기능 - 카메라 제어

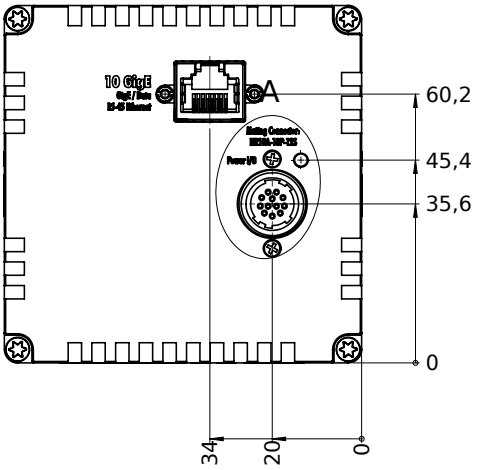
트리거 모드/동기화	internal, software, external
카메라 제어 기능	User Sets, POE, PWM(4), Sequencer,

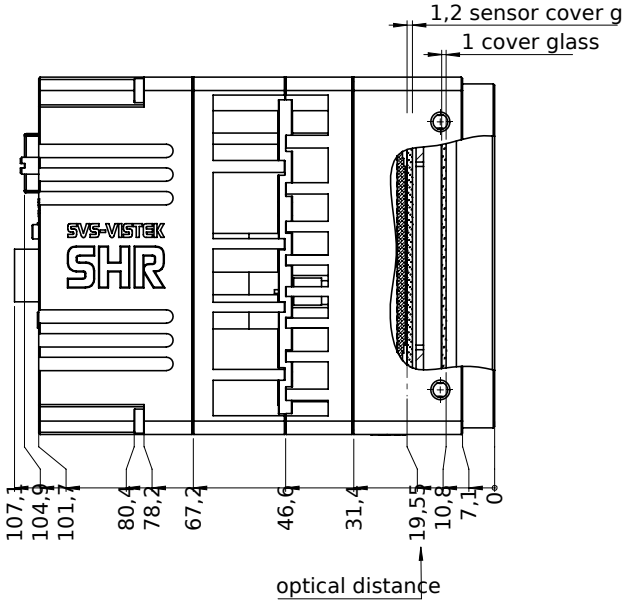
Quantum Efficiency

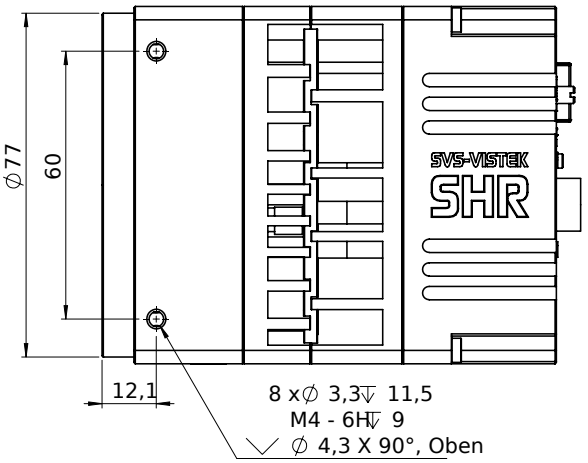


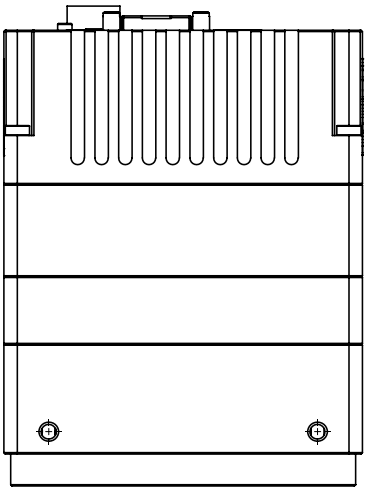
Technical Drawing

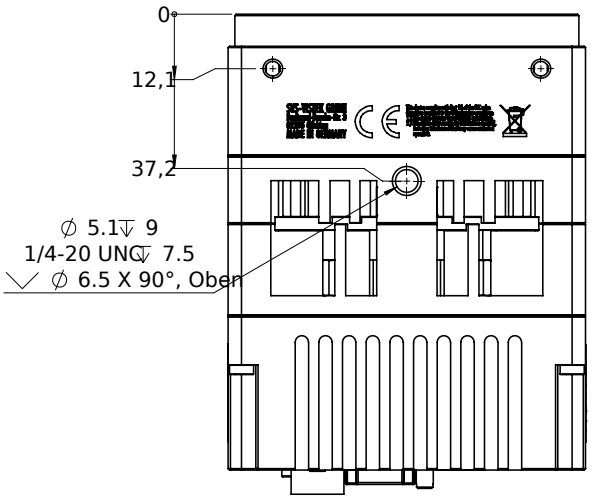


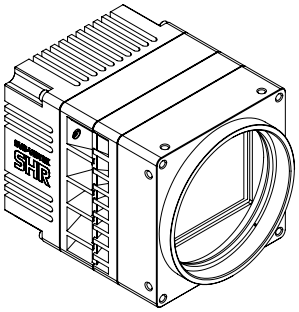


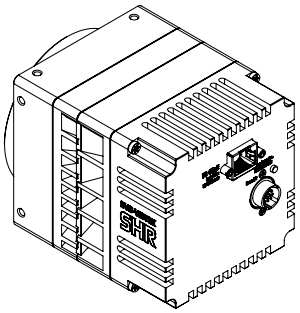






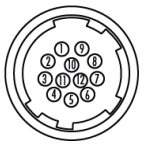






I/O pin assignment

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)