Allied Vision

FXO SWIR

fxo992MCX

일반

모델	fxo992MCX
제품 코드	F002337
제품 시리즈	FXO SWIR
상태	Available

센서

센서 유형	Area scan
크로마	Mono
스펙트럼	SWIR, Visible SWIR
스펙트럼 범위	400 nm to 1700 nm
해상도	2,560 × 2,048 (5.20 MP)
센서 모델	Sony IMX992 | InGaAs
센서 아키텍처 (소재)	cmos
셔터 유형	Global shutter (GS)
센서 크기	8.83 × 7.07 mm (11.31 mm, Type 1/1.4)
픽셀 크기	3.45 µm × 3.45 µm

픽셀 형식

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

타이밍 및 게인

최대 프레임 속도	132.6 fps
게인	0.0 dB to 42.0 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,

I/O 및 전원

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: 7 W (typical)

작동 조건

작동 온도 (하우징)	-10 °C to 60 °C

기계적 특성

본체 치수 (L x W x H mm)	70 × 50 × 50
IP 등급	IP30
렌즈 마운트	C-Mount
무게	240 g

온보드 메모리 및 FPGA

비휘발성 메모리 (플래시)	32000 MByte

인터페이스

디지털 인터페이스	cxp-12 with 1 connection
인터페이스 커넥터	(micro-BNC)
비전 표준	CoaXPress 2.0

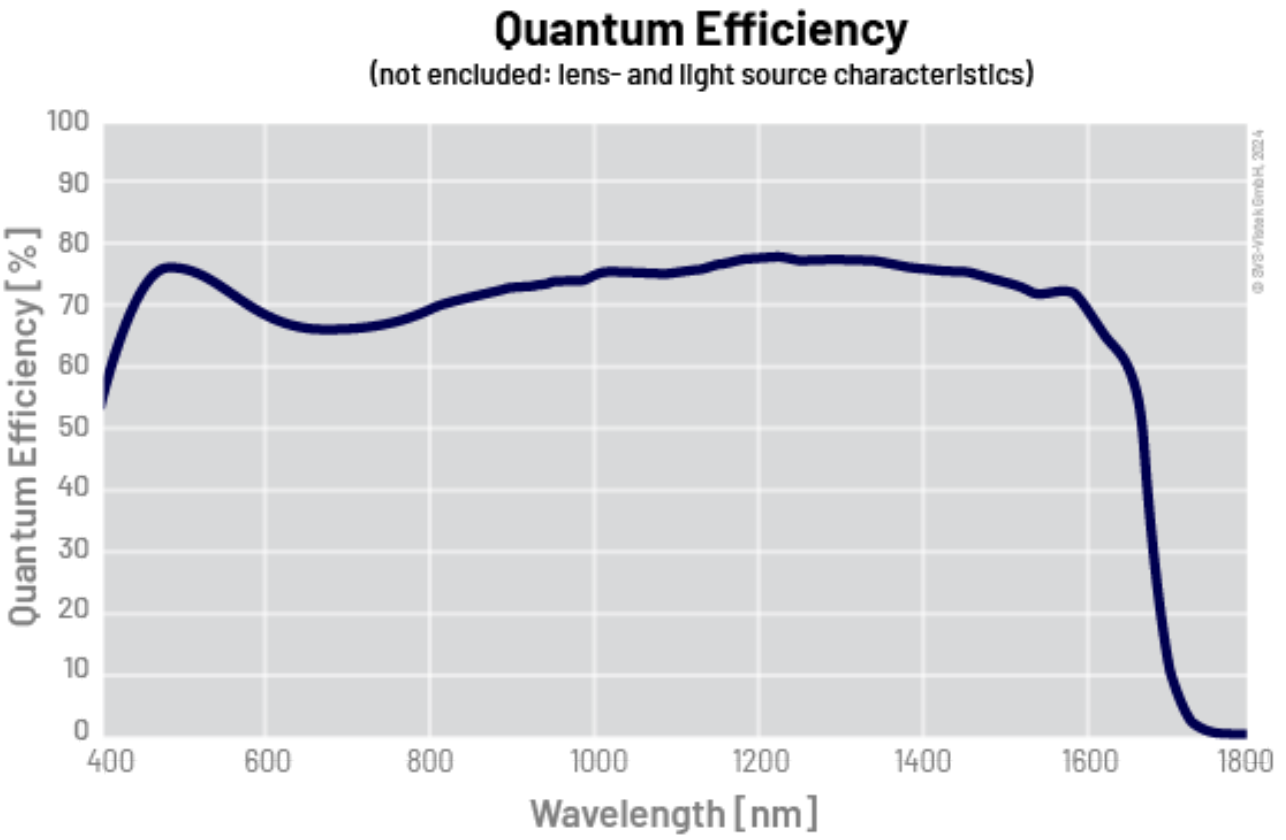
FW 기능 - 이미지 제어

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

FW 기능 - 카메라 제어

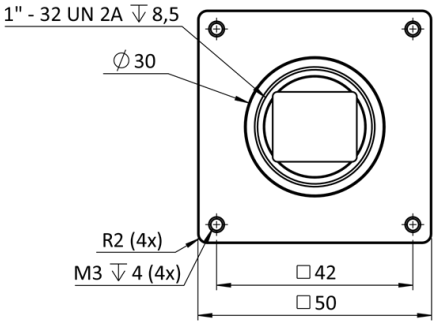
트리거 모드/동기화	internal, software, external
카메라 제어 기능	User Sets, PWM(4), Sequencer,

Quantum Efficiency

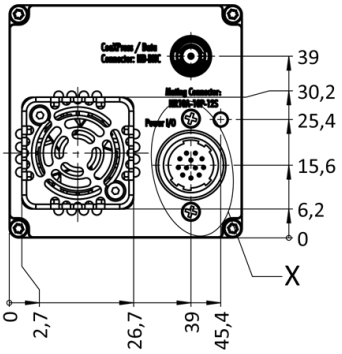


Technical Drawing

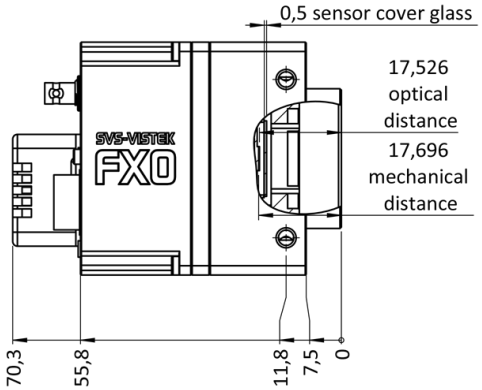
front



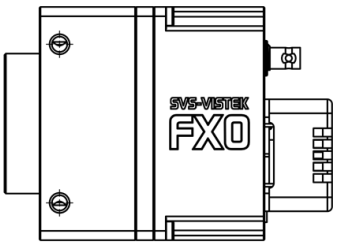
back



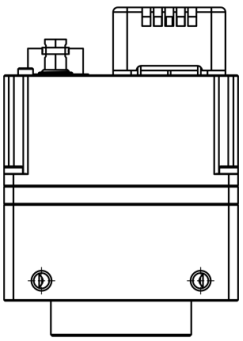
cross section



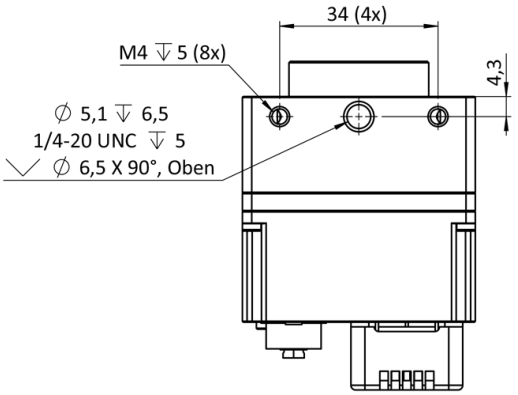
right side



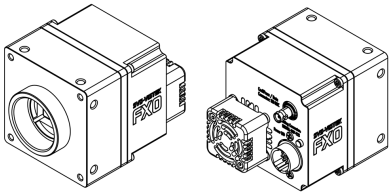
top



bottom

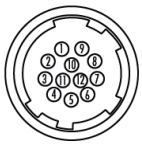


3D



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)