Allied Vision

FXO CoaXPress

fxo530MCX12-2C

일반

모델	fxo530MCX12-2C
제품 코드	F002248
제품 시리즈	FXO CoaXPress
상태	Available

센서

센서 유형	Area scan
크로마	Mono
스펙트럼	Visible
스펙트럼 범위	400 nm to 1000 nm
해상도	5,328 × 4,608 (24.60 MP)
센서 모델	Sony IMX530
센서 아키텍처 (소재)	cmos
셔터 유형	Global shutter (GS)
센서 크기	14.6 × 12.63 mm (19.3 mm, Type 1.2)
픽셀 크기	2.74 µm × 2.74 µm

픽셀 형식

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

이미징 성능

다이나믹 레인지	72 dB
SNR	39 dB

타이밍 및 게인

최대 프레임 속도	97.6 fps
노출 시간	5 µs to 60 s
게인	0.0 dB to 48.0 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, Power over CoaXPress
전력 소비	External: 14 W (typical)

작동 조건

작동 온도 (하우징)	-10 °C to 60 °C

기계적 특성

본체 치수 (L x W x H mm)	73 × 50 × 50
필터/보호 유리	K9 - AR coating - 400-850nm
IP 등급	IP30
렌즈 마운트	C-Mount
무게	240 g

온보드 메모리 및 FPGA

비휘발성 메모리 (플래시)	32 MByte

인터페이스

디지털 인터페이스	cxp-12 with 2 connections
인터페이스 커넥터	(micro-BNC)
비전 표준	CoaXPress 2.0

FW 기능 - 이미지 제어

노출 모드	manual, auto, external

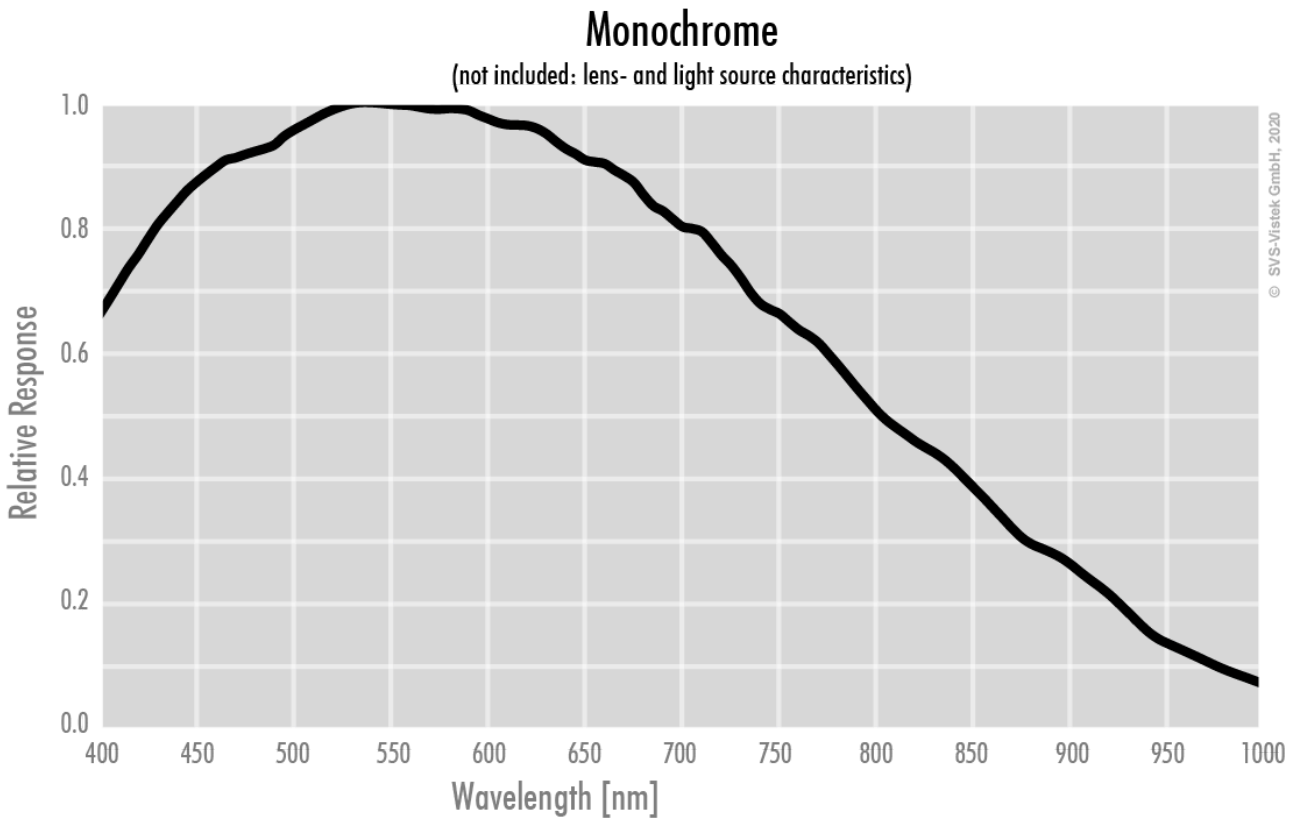
FW 기능 - 이미지 제어

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

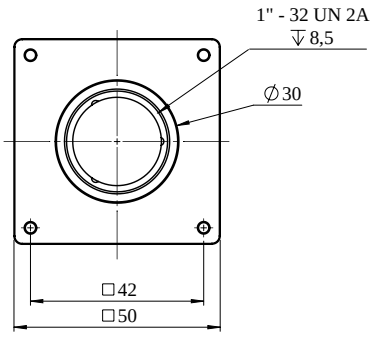
Quantum Efficiency

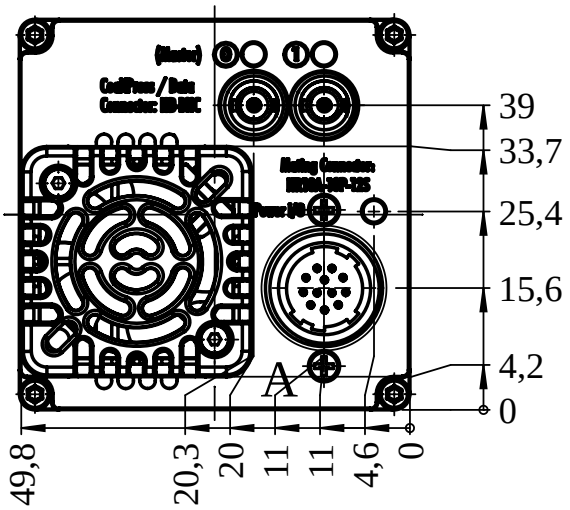


Technical Drawing

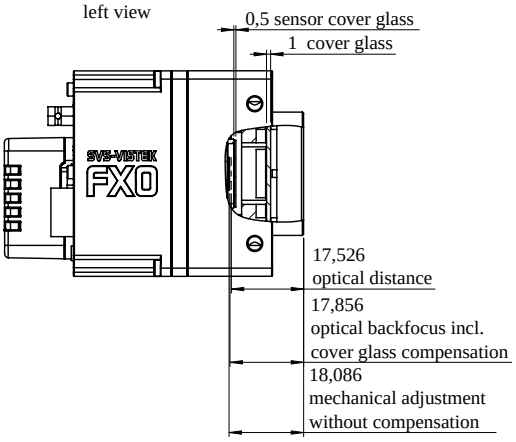
back view

front view

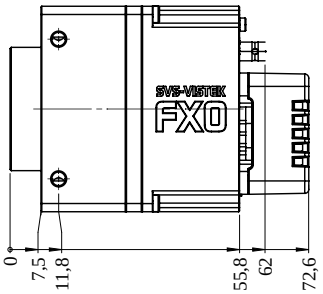




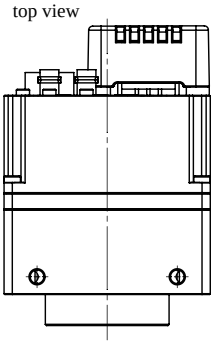
left view



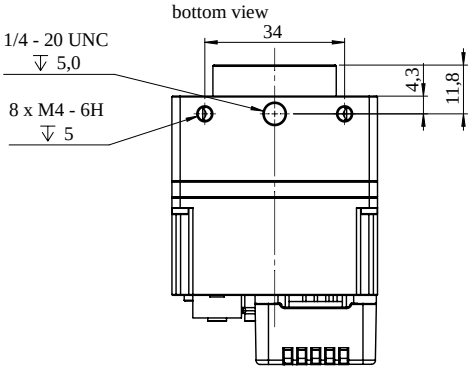
right view

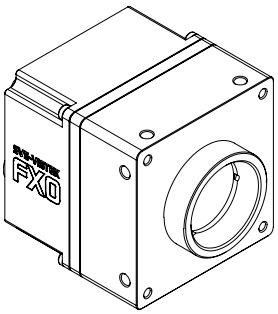


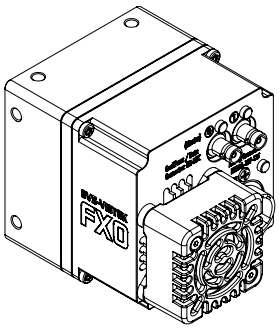
top view



bottom view

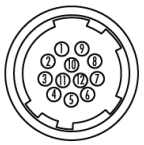






I/O pin assignment

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)