

FXO CoaXPress

fxo421CCX12-2C



常规

型号:	fxo421CCX12-2C
产品代码:	F002266
产品系列:	FXO CoaXPress
状态:	Available

传感器

传感器类型:	Area scan
色度:	Color
光谱:	Visible
光谱范围:	400 nm to 1000 nm
分辨率:	1,936 × 1,464 (2.80 MP)
传感器型号:	Sony IMX421LQJ-C
传感器架构 (材料) :	cmos
快门类型:	global-shutter
传感器尺寸:	8.71 × 6.59 mm (10.92 mm, 11.0mm (Type 2/3))
像素尺寸:	4.50 μm × 4.50 μm

像素格式

传感器位深度:	8-Bit,12-Bit
RGB像素格式:	bayer8, bayer12

时序与增益

最大帧率:	413.5 fps
曝光时间:	60 μ s (max)
增益:	0.0 dB to 48.0 dB

I/O与电源

非电气隔离IO:	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,
特定非电气隔离IO:	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
光电隔离线路:	1 x Optical isolated input, 0 x Optical isolated input,
电源供应:	10 to 25VDC
功耗:	External: 13 W (typical)

工作条件

工作温度（外壳:	-10 °C to 60 °C
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机械特性

机身尺寸（L x W x H mm）:	73 × 50 × 50
滤光片/保护玻璃:	IR-Cut 680
IP防护等级:	IP30
镜头接口:	C-Mount
重量:	240 g

板载内存与FPGA

非易失性存储器（闪存）:	32 MByte
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接口

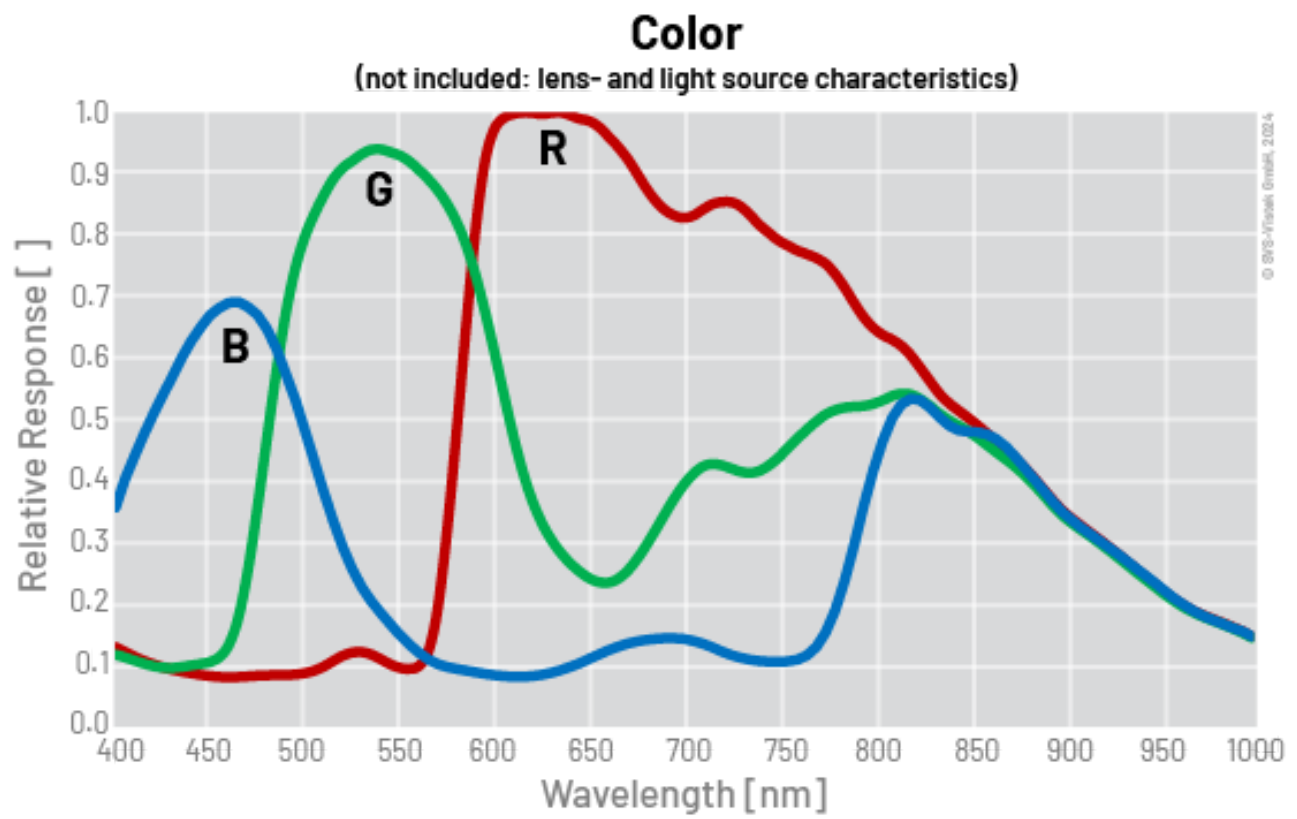
数字接口:	cxp-12 with 2 connections
接口连接器:	(micro-BNC)

固件功能 - 图像控制

曝光模式:	Manual, Auto, External
增益模式:	Auto, Manual
白平衡模式:	auto, manual
图像控制功能:	FW Features - Image Control

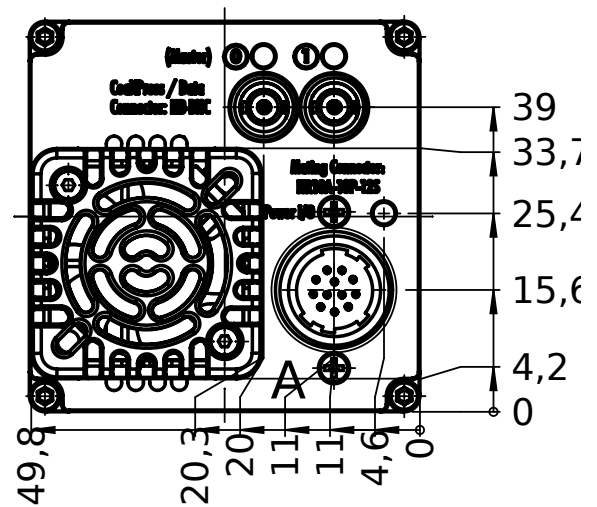
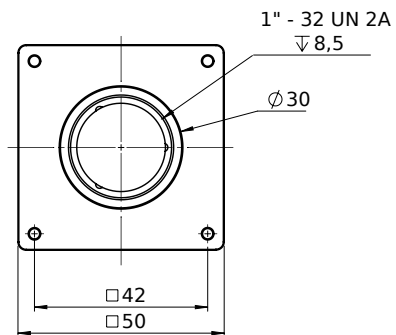
固件功能 - 相机控制

触发模式/同步:	INTERNAL,SOFTWARE,EXTERNAL
相机控制功能:	PoCxP, User Sets, PWM(4), Sequencer,

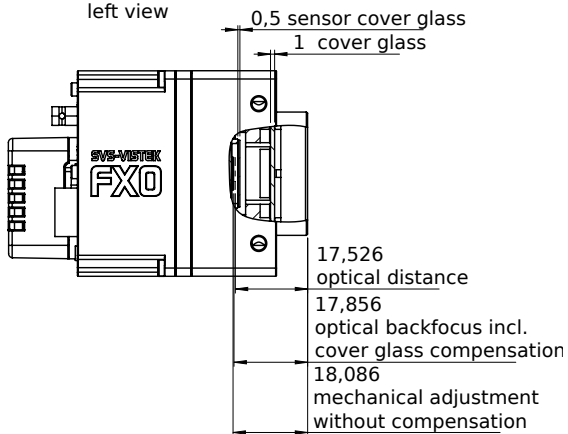


back view

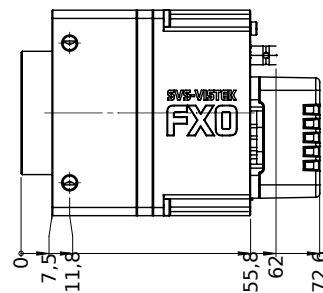
front view



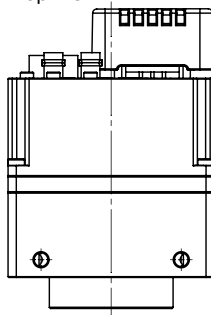
left view



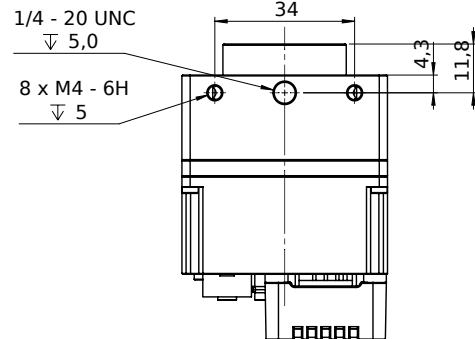
right view

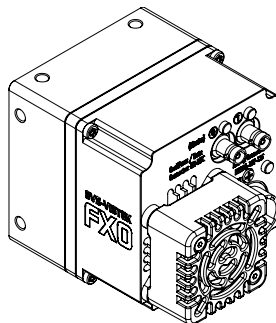
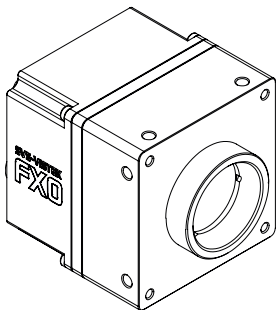


top view



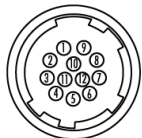
bottom view





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)