FXO CoaXPress
fxo421MCX12-2C

常规	
型号:	fxo421MCX12-2C
产品代码:	F002267
产品系列:	FXO CoaXPress
状态:	Available

传感器	
传感器类型:	Area scan
色度:	Mono
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 IMX421LLJ-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
单色像素格式:	mono8, mono12

时序与增益

最大帧率:	413.5
曝光时间:	7 μs to 60 s
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, Power over CoaXPress
功耗:	External: 13 W (typical)

工作条件

工作温度（外壳:	-10 °C to 60 °C

机械特性

机身尺寸（L x W x H mm）:	73 × 50 × 50
滤光片/保护玻璃:	K9 - AR coating - 400-850nm
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

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
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

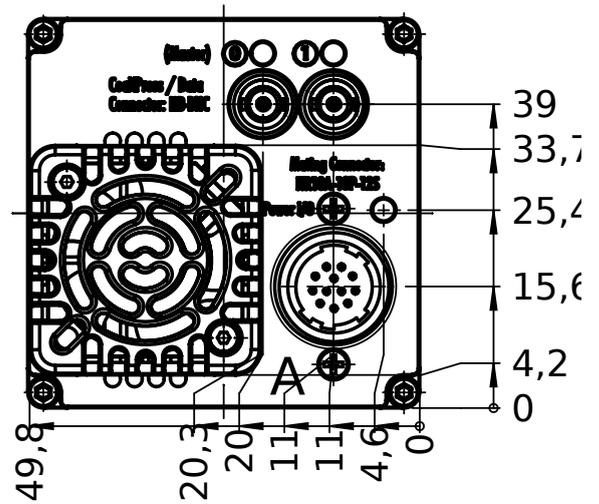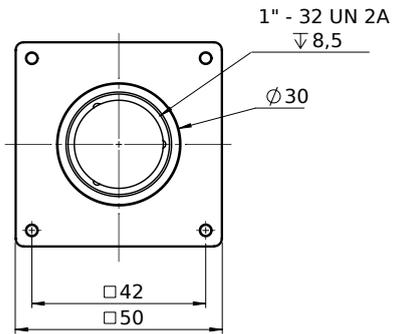| 相机控制功能:	PoCxP, User Sets, PWM(4), Sequencer,

Monochrome
(not encluded: lens- and light source characteristics)

back view

front view

1" - 32 UN 2A
⌄ 8,5

∅ 30

□42
□50

39
33,7
25,4
15,6
4,2
0

49,8
20,3
20
11
11
4,6
0

A

left view

0,5 sensor cover glass
1 cover glass

SVS-VISTEK
FXO

17,526
optical distance
17,856
optical backfocus incl.
cover glass compensation
18,086
mechanical adjustment
without compensation

right view

SVS-VISTEK
FXO

0
7,5
11,8
55,8
62
72,6

top view

bottom view
34

1/4 - 20 UNC
⌄ 5,0

8 x M4 - 6H
⌄ 5

4,3
11,8
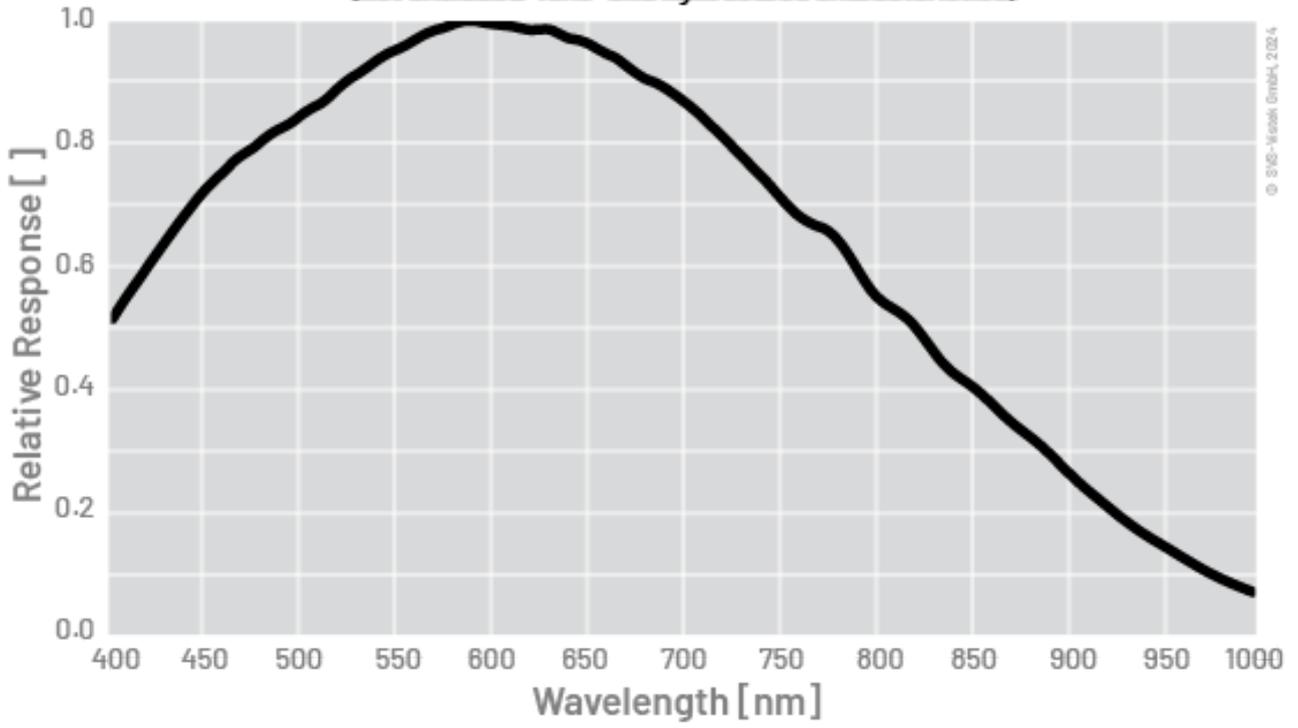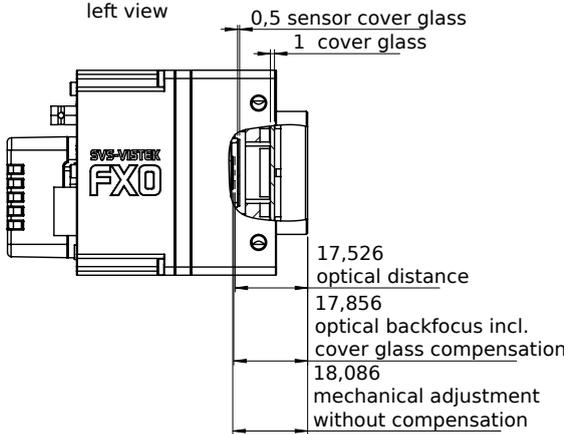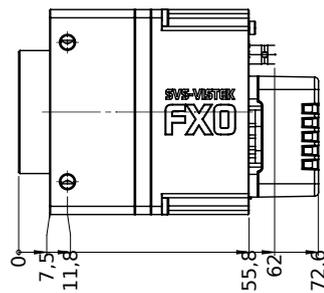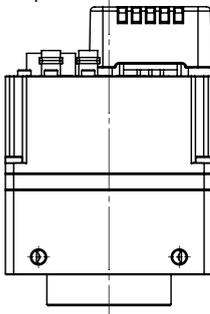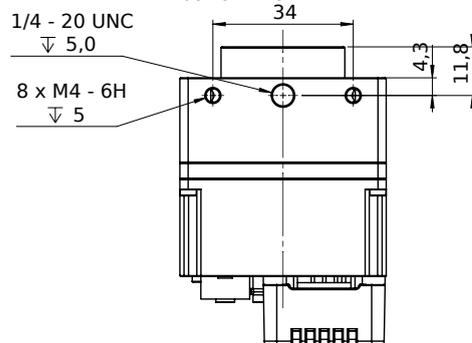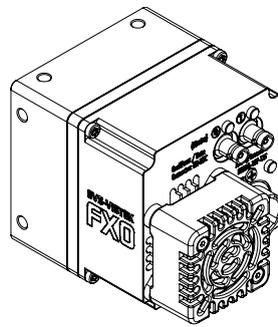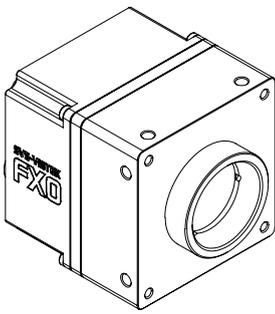
I/O pin assignment

Hirose 12 Pin

1	VIN −	(GND)
2	VIN +	(10 V to 25 V DC)
3	IN 4	(RXD RS232)
4	OUT 4	(TXD RS232)
5	IN 1	(0 - 24V)
6	IN 2	(0 - 24V)
7	OUT 1	(open drain)
8	OUT 2	(open drain)
9	IN 3 +	(opto In +)
10	IN 3 −	(opto In −)
11	OUT 3	(open drain)
12	OUT 0	(open drain)