

FXO 10GigE

fxo541MXGE



常规

型号:	fxo541MXGE
产品代码:	F002092
产品系列:	FXO 10GigE
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:	4,504 × 4,504 (20.30 MP)
传感器型号:	Sony IMX541LLA
传感器架构 (材料) :	cmos
快门类型:	global-shutter
传感器尺寸:	12.34 × 12.34 mm (17.45 mm, 17.5mm (Type 1.1))
像素尺寸:	2.74 μm × 2.74 μm

像素格式

传感器位深度:	8-Bit,12-Bit
单色像素格式:	mono8, mono12

成像性能

动态范围:	72 dB
信噪比:	39.13 dB

时序与增益

最大帧率:	35.7 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: 9 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) :	76 x 50 x 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

图像缓存 (RAM) :	896 MByte
非易失性存储器 (闪存) :	32 MByte

接口

数字接口:	10gige
接口连接器:	(RJ-45)

固件功能 - 图像控制

曝光模式:	Manual, Auto, External
-------	------------------------

固件功能 - 图像控制

增益模式: Auto, Manual

图像控制功能: FW Features - Image Control

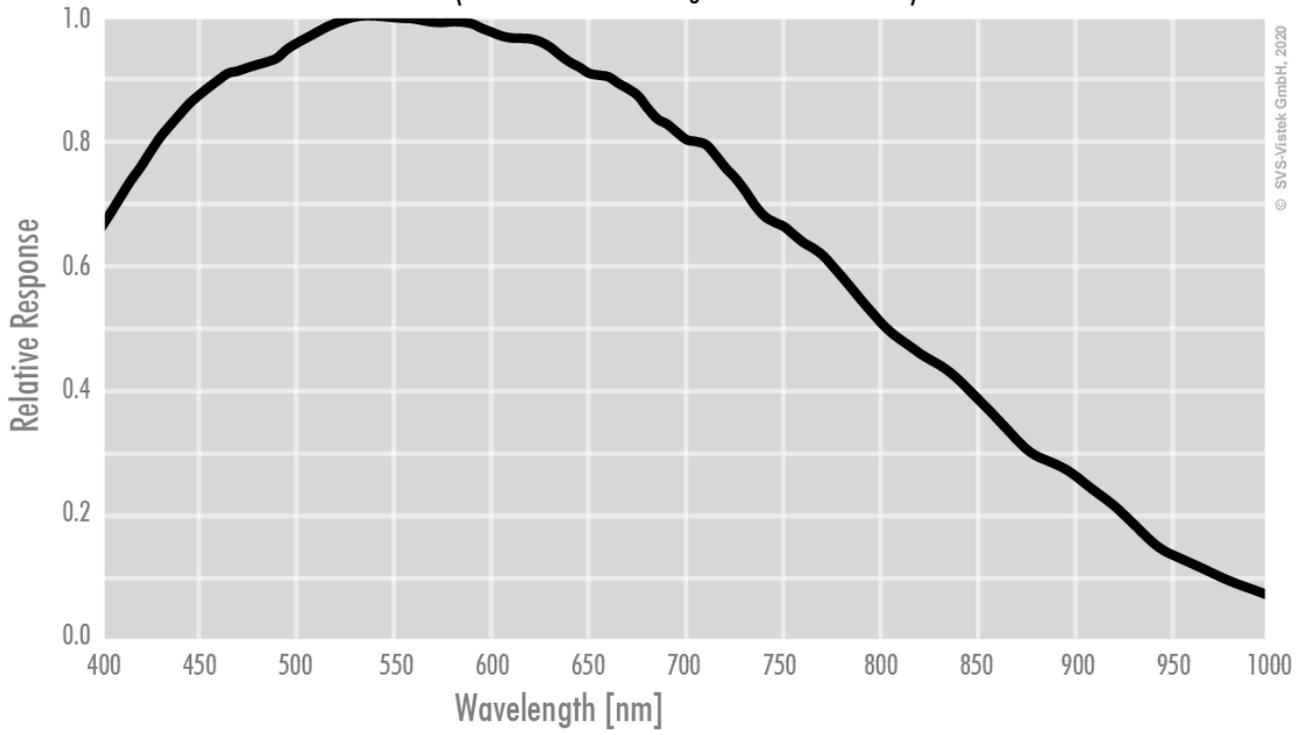
固件功能 - 相机控制

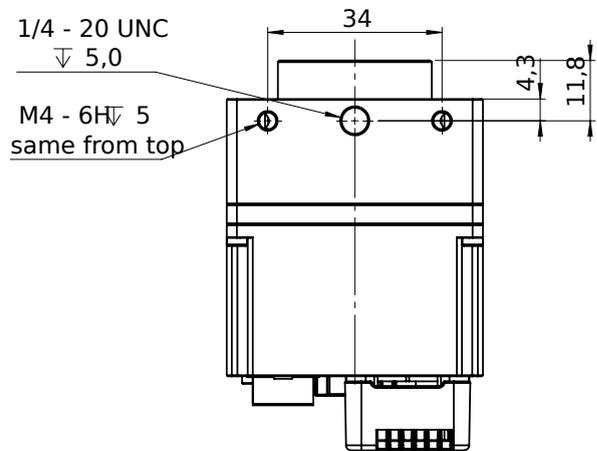
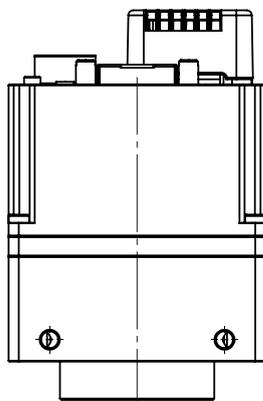
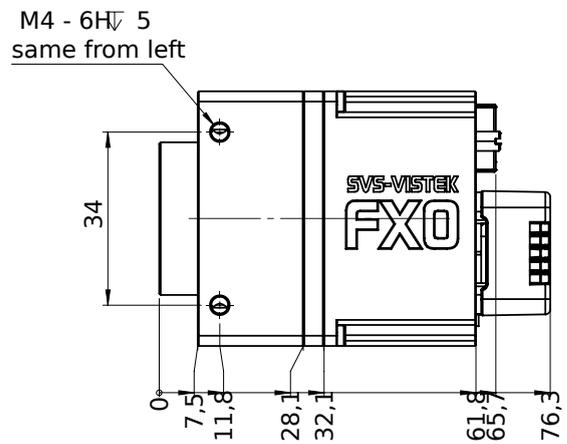
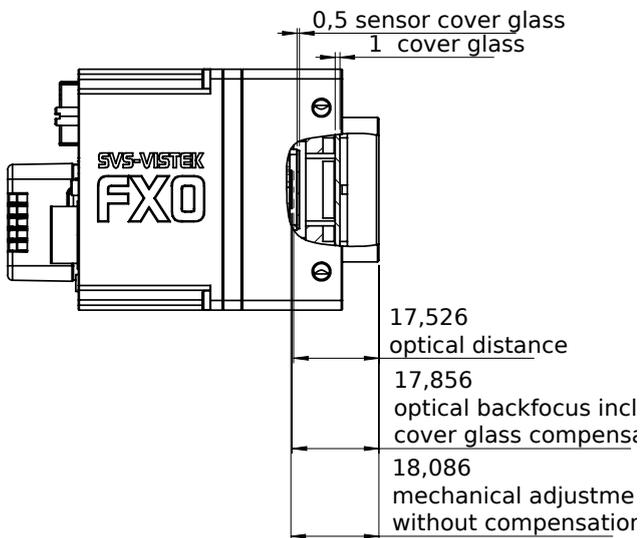
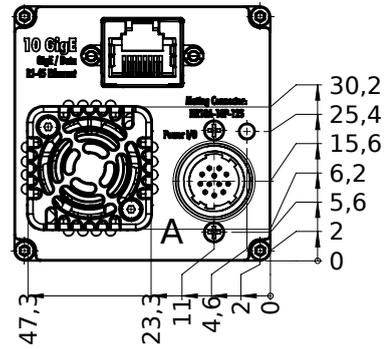
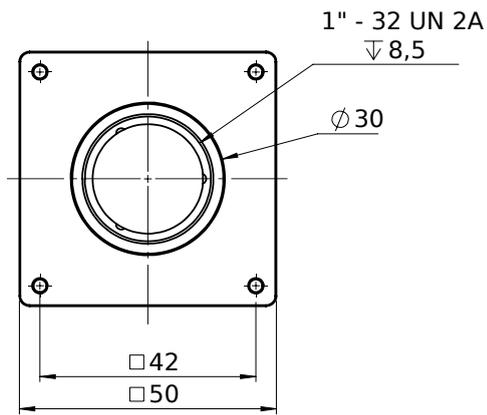
触发模式/同步: INTERNAL, SOFTWARE, EXTERNAL

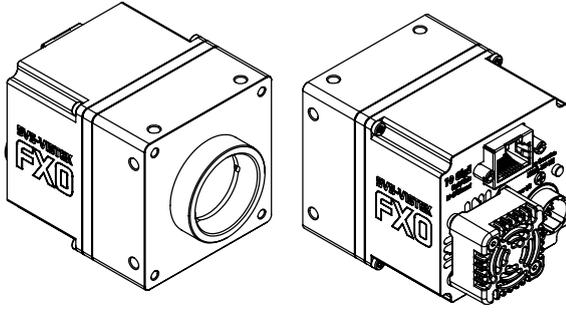
相机控制功能: PTP, User Sets, POE, PWM(4), Sequencer,

Monochrome

(not included: lens- and light source characteristics)







I/O pin assignment

Hirose 12 Pin



1	VIN - (GND)	7	OUT1 (open drain)
2	VIN + (10 V to 25 V DC)	8	OUT2 (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)