

常规

| | |
|-------|-----------------|
| 型号: | fxo487MCX |
| 产品代码: | F002216 |
| 产品系列: | FXO Ultraviolet |
| 状态: | Available |

传感器

| | |
|-------------|----------------------------------------------|
| 传感器类型: | Area scan |
| 色度: | Mono |
| 光谱: | UV |
| 光谱范围: | 200 nm to 400 nm |
| 分辨率: | 2,832 × 2,840 (8.00 MP) |
| 传感器型号: | Sony IMX487-AAMJ-C |
| 传感器架构 (材料): | cmos |
| 快门类型: | global-shutter |
| 传感器尺寸: | 7.76 × 7.78 mm (10.99 mm, 11.1mm (Type 2/3)) |
| 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 |

时序与增益

| | |
|-------|-------------------|
| 最大帧率: | 87 |
| 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, |
|----------|-------------------------------------------------------------------------------------------------------|

I/O与电源

| | |
|------------|-----------------------------------------------------------------------|
| 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: 8 W (typical) |

工作条件

| | |
|------------|-----------------|
| 工作温度 (外壳): | -10 °C to 65 °C |
|------------|-----------------|

机械特性

| | |
|-----------------------|---------------------------|
| 机身尺寸 (L x W x H mm) : | 70 × 50 × 50 |
| 滤光片/保护玻璃: | UV Fused Silica 185-800nm |
| 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 1 connection |
| 接口连接器: | (micro-BNC) |

固件功能 - 图像控制

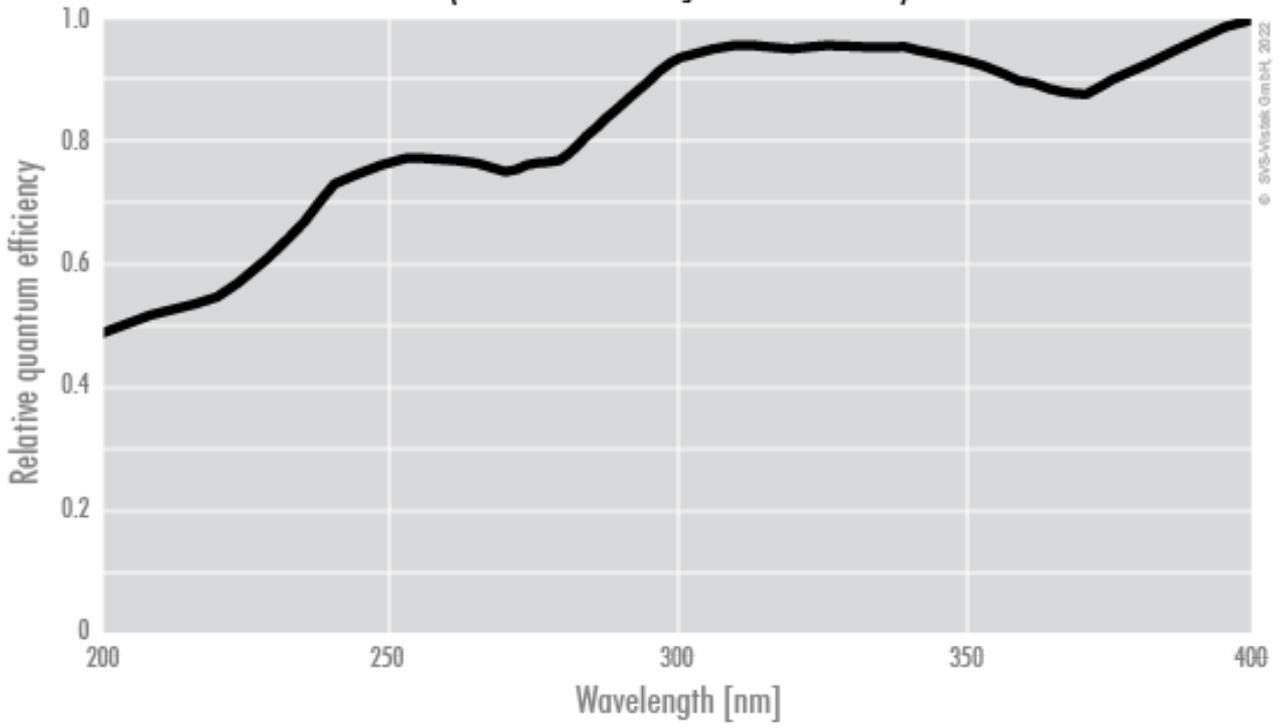
| | |
|---------|-----------------------------|
| 曝光模式: | Manual, Auto, External |
| 增益模式: | Auto, Manual |
| 图像控制功能: | FW Features - Image Control |

固件功能 - 相机控制

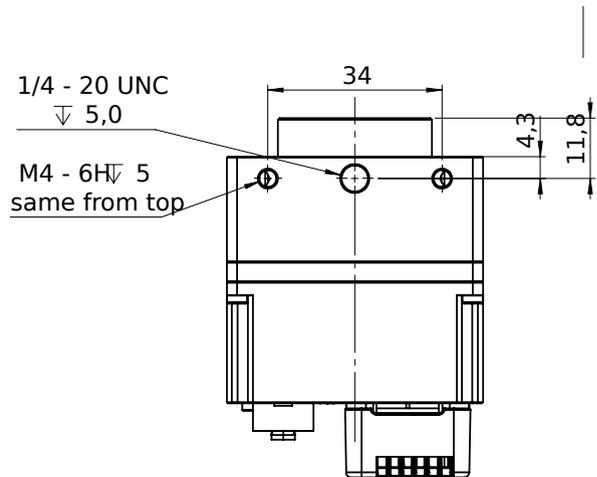
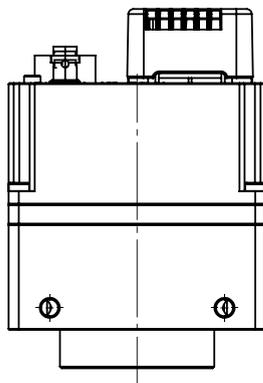
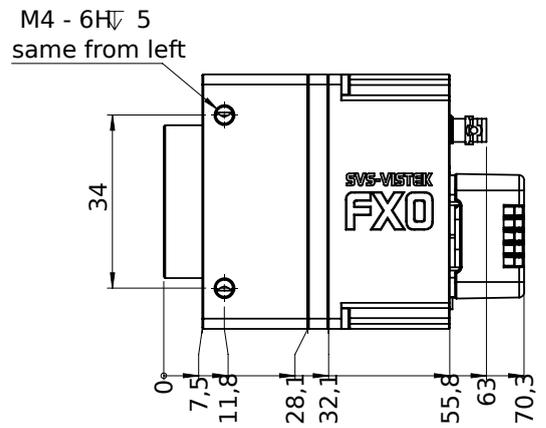
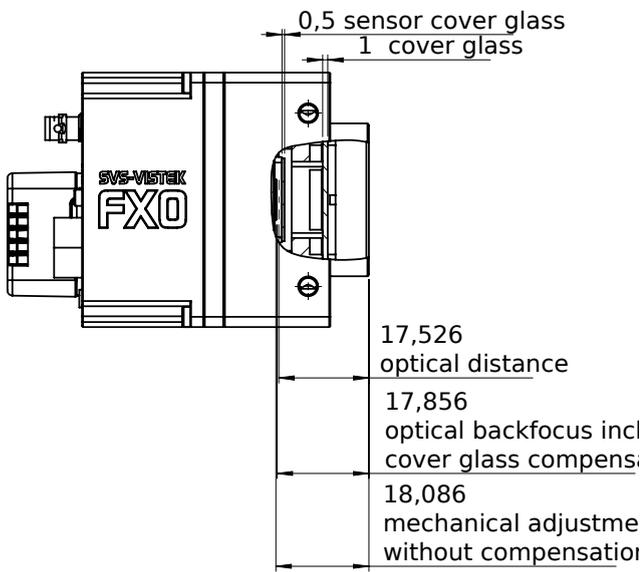
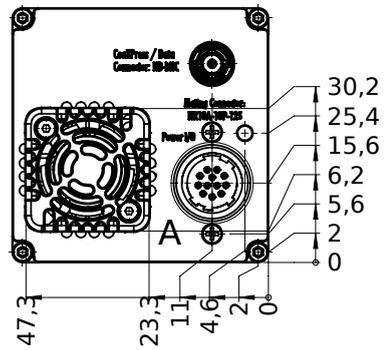
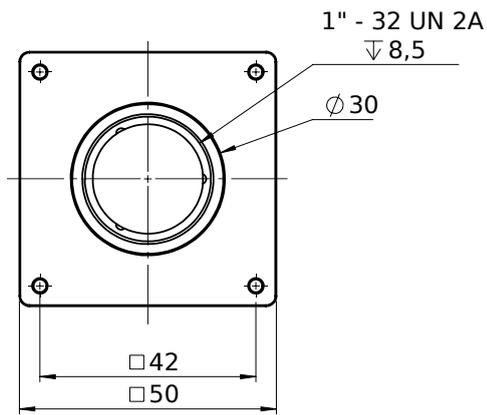
| | |
|----------|--------------------------------------|
| 触发模式/同步: | INTERNAL, SOFTWARE, EXTERNAL |
| 相机控制功能: | PoCxP, User Sets, PWM(4), Sequencer, |

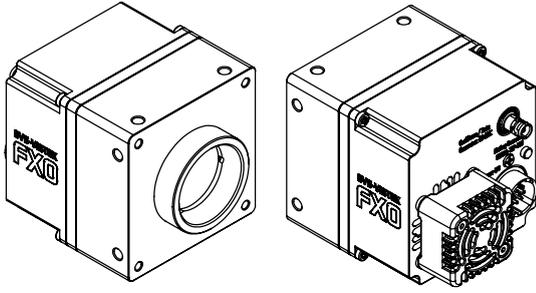
Ultraviolet

(not included: lens- and light source characteristics)



© SWS-Visstek GmbH, 2022





I/O pin assignment

Hirose 12 Pin



| | | | |
|---|-----------------------|----|-------------------|
| 1 | VIN - (GND) | 7 | OUT1 (open drain) |
| 2 | VIN + (10V to 25V DC) | 8 | OUT2 (open drain) |
| 3 | IN4 (RXD RS232) | 9 | IN3 + (opto In +) |
| 4 | OUT4 (TXD RS232) | 10 | IN3 - (opto In -) |
| 5 | IN1 (0-24V) | 11 | OUT3 (open drain) |
| 6 | IN2 (0-24V) | 12 | OUT0 (open drain) |