

FXO 10GigE

fxo542MXGE



常规

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|-------|------------|
| 型号: | fxo542MXGE |
| 产品代码: | F002094 |
| 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: | 5,320 × 3,032 (16.10 MP) |
| 传感器型号: | Sony IMX542LLA |
| 传感器架构 (材料) : | cmos |
| 快门类型: | global-shutter |
| 传感器尺寸: | 14.58 × 8.31 mm (16.78 mm, 16.8mm (Type 1.1)) |
| 像素尺寸: | 2.74 μm × 2.74 μm |

像素格式

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

成像性能

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| 动态范围: | 72 dB |
| 信噪比: | 39.15 dB |

时序与增益

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| 最大帧率: | 45.6 fps |
| 曝光时间: | 60 μ s (max) |
| 增益: | 0.0 dB to 48.0 dB |

I/O与电源

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| 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

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| 工作温度 (外壳): | -10 °C to 60 °C |
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机械特性

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| 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

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

接口

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| 数字接口: | 10gige |
| 接口连接器: | (RJ-45) |

固件功能 - 图像控制

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|-------|------------------------|
| 曝光模式: | Manual, Auto, External |
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固件功能 - 图像控制

增益模式: Auto, Manual

图像控制功能: FW Features - Image Control

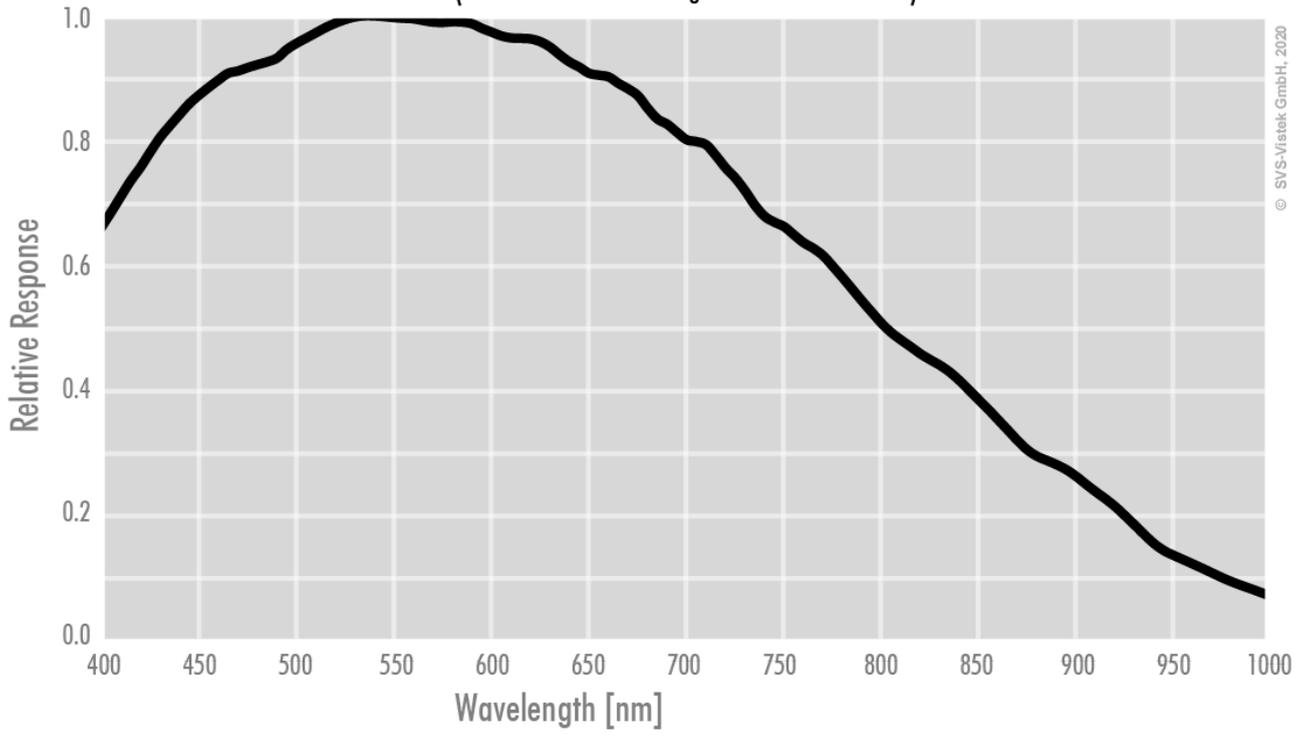
固件功能 - 相机控制

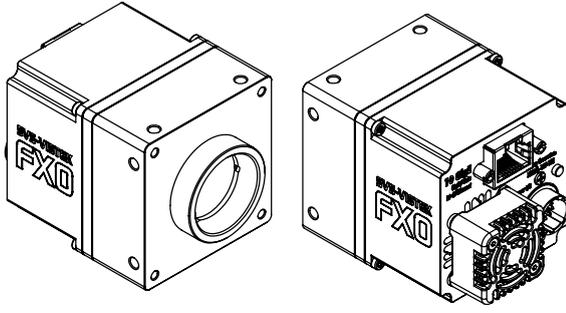
触发模式/同步: INTERNAL, SOFTWARE, EXTERNAL

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) |