# FXO Ultraviolet

fxo487MCX12-2C

## □□

| | |
|---|---|
| □□ | fxo487MCX12-2C |
| □□□□ | F002247 |
| □□□□ | FXO Ultraviolet |
| □□ | Available |

## □□□

| | |
|---|---|
| □□□□□ | Area scan |
| □□ | Mono |
| □□ | UV |
| □□□□ | 200 nm to 400 nm |
| □□□ | 2,848 × 2,848 (8.10 MP) |
| □□□□□ | Sony IMX487 |
| □□□□□□□□□ | cmos |
| □□□□ | Global shutter (GS) |
| □□□□□ | 7.8 × 7.8 mm (11.04 mm, Type 2/3) |
| □□□□ | 2.74 µm × 2.74 µm |

## □□□□

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| □□□□□□ | 8-bit, 12-bit |
| □□□□□□ | mono8, mono12 |

## □□□□□

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|---|---|
| □□□□ | 195 fps |
| □□□□ | 5 µs to 60 s |
| □□ | 0.0 dB to 48.0 dB |

## I/O□□□

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|---|---|
| □□□□□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, |
| □□□□□□□IO | 1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output, |

## I/O□□□

| | |
|---|---|
| □□□□□□□ | 1 x Optical isolated input, 0 x Optical isolated input, |
| I/O□□ | 12-pin Hirose HR10A-10P-12S |
| □□□□ | 10 to 25VDC, Power over CoaXPress |
| □□ | External: 12 W (typical) |

## □□□□

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| □□□□□□□ | -10 °C to 65 °C |

## □□□□

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| □□□□□L x W x H mm□ | 73 × 50 × 50 |
| □□□/□□□□ | UV Fused Silica 185-800nm |
| IP□□□□ | IP30 |
| □□□□ | C-Mount |
| □□ | 240 g |

## □□□□□FPGA

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|---|---|
| □□□□□□□□□□□□ | 32 MByte |

## □□

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|---|---|
| □□□□ | cxp-12 with 2 connections |
| □□□□□ | (micro-BNC) |
| □□□□ | CoaXPress 2.0 |

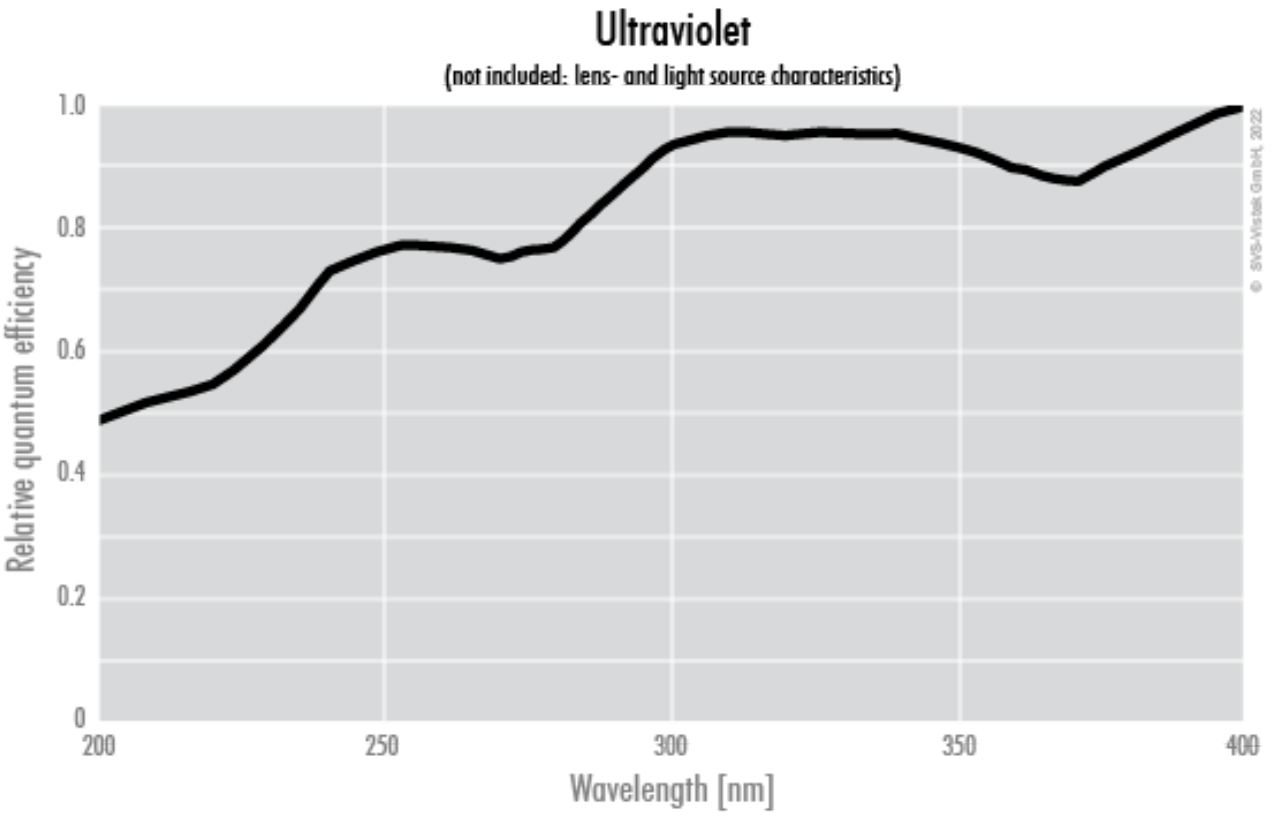
## □□□□ - □□□□

| | |
|---|---|
| □□□□ | manual, auto, external |
| □□□□ | auto, manual |
| □□□□□□ | roi, lut, mirror-image, dpc, shading-correction, ffc |

## □□□□ - □□□□

| | |
|---|---|
| □□□□/□□ | internal, software, external |
| □□□□□□ | PoCxP, User Sets, PWM(4), Sequencer, |

## Quantum Efficiency

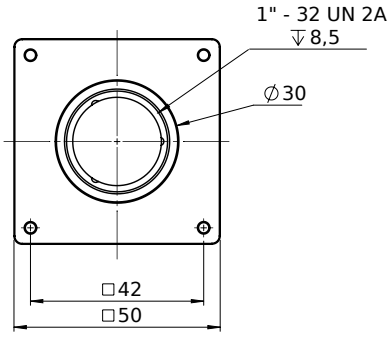


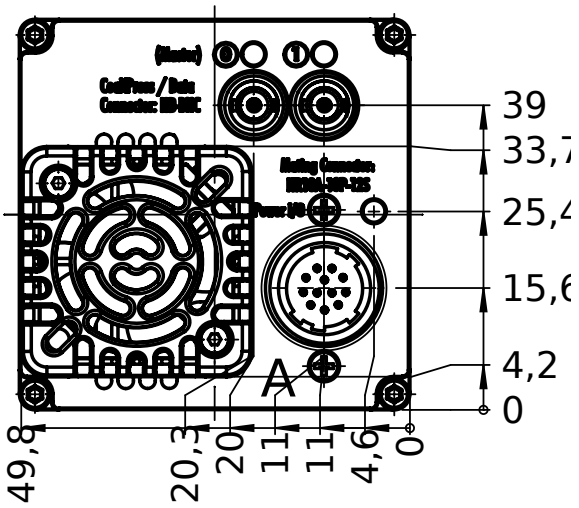
Allied Vision

# Technical Drawing

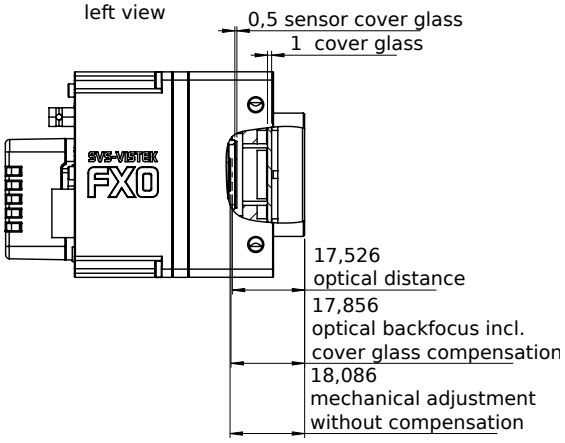
back view

front view

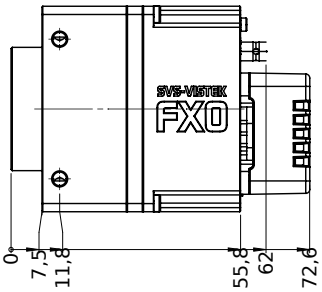


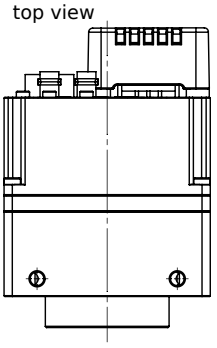

left view



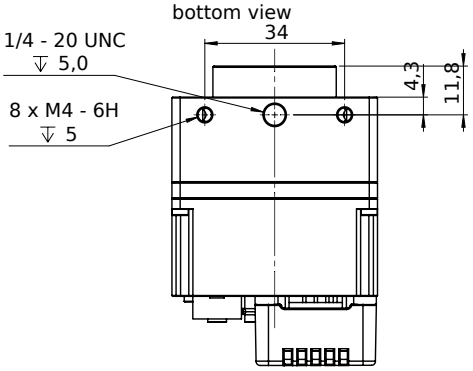

right view

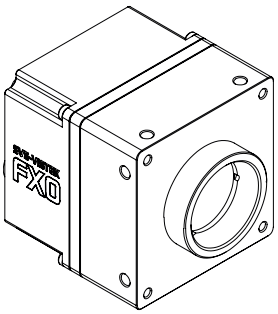


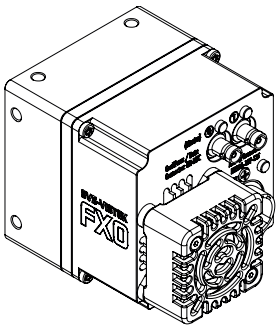

top view



bottom view

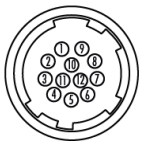






## I/O pin assignment

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) |