



## FXO CoaXPress

fxo536CCX12-2C

### Generale

|                   |                |
|-------------------|----------------|
| Modello           | fxo536CCX12-2C |
| Codice prodotto   | F002254        |
| Serie di prodotti | FXO CoaXPress  |
| Stato             | Available      |

### Sensore

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Tipo di sensore                  | Area scan                         |
| Croma                            | Color                             |
| Spettro                          | Visible                           |
| Gamma spettrale                  | 400 nm to 1000 nm                 |
| Risoluzione                      | 2,848 × 2,848 (8.10 MP)           |
| Modello sensore                  | Sony IMX536                       |
| Architettura sensore (Materiale) | cmos                              |
| Tipi di otturatore               | Global shutter (GS)               |
| Dimensione sensore               | 7.8 × 7.8 mm (11.04 mm, Type 2/3) |
| Dimensione pixel                 | 2.74 µm × 2.74 µm                 |

### Formati pixel

|                        |                 |
|------------------------|-----------------|
| Profondità bit sensore | 8-bit, 12-bit   |
| Formati pixel RGB      | bayer8, bayer12 |

### Prestazioni di imaging

|                |       |
|----------------|-------|
| Gamma dinamica | 72 dB |
| SNR            | 39 dB |

## Tempi e guadagno

|                           |                    |
|---------------------------|--------------------|
| Frequenza fotogrammi max. | 195 fps            |
| Tempo di esposizione      | 21 $\mu$ s to 60 s |
| Guadagno                  | 0.0 dB to 48.0 dB  |

## I/O e alimentazione

|                              |                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------|
| Linee non isolate            | 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, |
| Linee non isolate specifiche | 1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,                                 |
| Linee otticamente isolate    | 1 x Optical isolated input, 0 x Optical isolated input,                                               |
| Connettore I/O               | 12-pin Hirose HR10A-10P-12S                                                                           |
| Alimentazione                | 10 to 25VDC, Power over CoaXPress                                                                     |
| Consumo energetico           | External: 13 W (typical)                                                                              |

## Condizioni operative

|                                  |                 |
|----------------------------------|-----------------|
| Temperatura operativa (Custodia) | -10 °C to 60 °C |
|----------------------------------|-----------------|

## Proprietà meccaniche

|                                       |              |
|---------------------------------------|--------------|
| Dimensioni custodia (L x P x A in mm) | 73 x 50 x 50 |
| Vetro filtro/protezione               | IR-Cut 680   |
| Classe IP                             | IP30         |
| Attacco/i obiettivo                   | C-Mount      |
| Peso                                  | 240 g        |

## Memoria onboard e FPGA

|                              |          |
|------------------------------|----------|
| Memoria non volatile (Flash) | 32 MByte |
|------------------------------|----------|

## Interfacce

|                        |                           |
|------------------------|---------------------------|
| Interfaccia digitale   | cxp-12 with 2 connections |
| Connettore interfaccia | (micro-BNC)               |
| Standard Vision        | CoaXPress 2.0             |

## Funzioni FW – Controllo immagine

|                         |                        |
|-------------------------|------------------------|
| Modalità di esposizione | manual, auto, external |
| Modalità di guadagno    | auto, manual           |

## Funzioni FW – Controllo immagine

|                                      |              |
|--------------------------------------|--------------|
| Modalità di bilanciamento del bianco | auto, manual |
|--------------------------------------|--------------|

|                                |                        |
|--------------------------------|------------------------|
| Funzioni di controllo immagine | roi, lut, mirror-image |
|--------------------------------|------------------------|

## Funzioni FW – Controllo fotocamera

|                                      |                              |
|--------------------------------------|------------------------------|
| Modalità di trigger/sincronizzazione | internal, software, external |
|--------------------------------------|------------------------------|

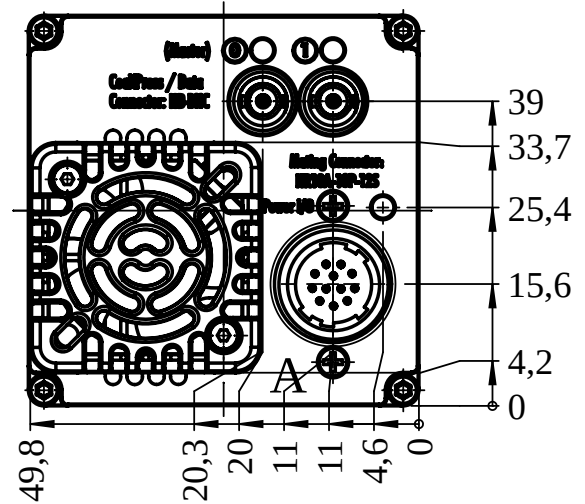
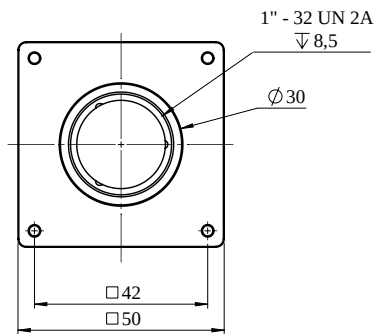
|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Funzioni di controllo della fotocamera | PoCxP, User Sets, PWM(4), Sequencer, |
|----------------------------------------|--------------------------------------|

## Efficienza quantica

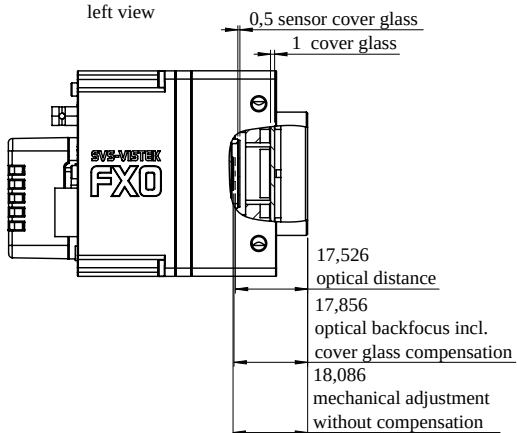


back view

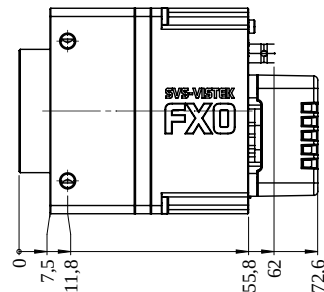
front view



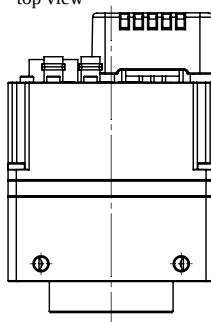
left view



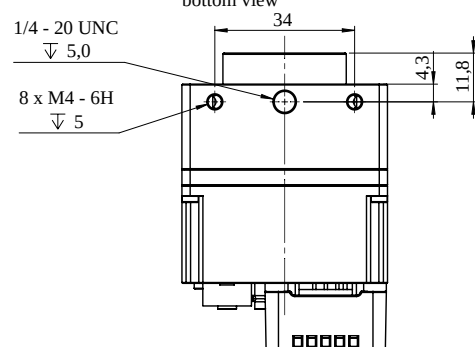
right view

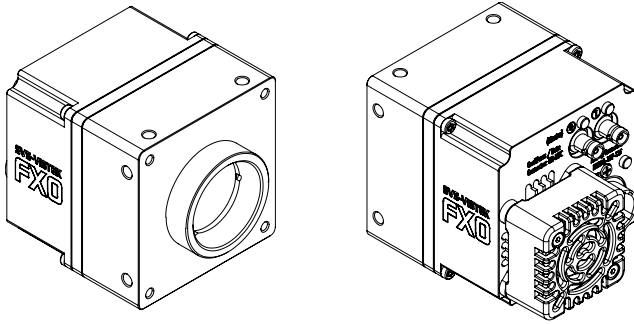


top view



bottom view





## Assegnazione pin I/O

|                                                                                                        |                                                                                                                                         |                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Hirose 12 Pin</p>  | <p>1 VIN - (GND)<br/>2 VIN + (10 V to 25 V DC)<br/>3 IN 4 (RXD RS232)<br/>4 OUT 4 (TXD RS232)<br/>5 IN 1 (0-24V)<br/>6 IN 2 (0-24V)</p> | <p>7 OUT 1 (open drain)<br/>8 OUT 2 (open drain)<br/>9 IN 3 + (opto In +)<br/>10 IN 3 - (opto In -)<br/>11 OUT 3 (open drain)<br/>12 OUT 0 (open drain)</p> |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|