

FXO SWIR

fxo993MCX

Part Number

Part Number:	fxo993MCX
Order Code:	F002322
Product Line:	FXO SWIR
Status:	Available

Specifications

Application:	Area scan
Color:	Mono
Technology:	eXtended SWIR
Wavelength Range:	400 nm to 1700 nm
Resolution:	2,048 × 1,536 (3.10 MP)
Image Sensor:	Sony IMX993-AABJ
Image Sensor Type:	cmos
Shutter Type:	global-shutter
Image Size:	7.07 × 5.30 mm (8.83 mm, 8.9mm (Type 1/1.8))
Pixel Size:	3.45 μm × 3.45 μm

Performance

Bit Depth:	8-Bit, 12-Bit
Output Formats:	mono8, mono12

Operating Conditions

Frame Rate:	173.4 fps
Dynamic Range:	0.0 dB to 42.0 dB

I/O Connections

Video I/O:	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,
Serial I/O:	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Other I/O:	1 x Optical isolated input, 0 x Optical isolated input,

I/O□□□

□□□□:	10 to 25VDC
□□:	External: 7 W (typical)

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□□□□□□□:	-10 °C to 60 °C
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□□□□□L x W x H mm□:	70 × 50 × 50
IP□□□□:	IP30
□□□□:	C-Mount
□□:	240 g

□□□□□FPGA

□□□□□□□□□□□:	32000 MByte
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□□□□:	cxp-12 with 1 connection
□□□□□:	(micro-BNC)

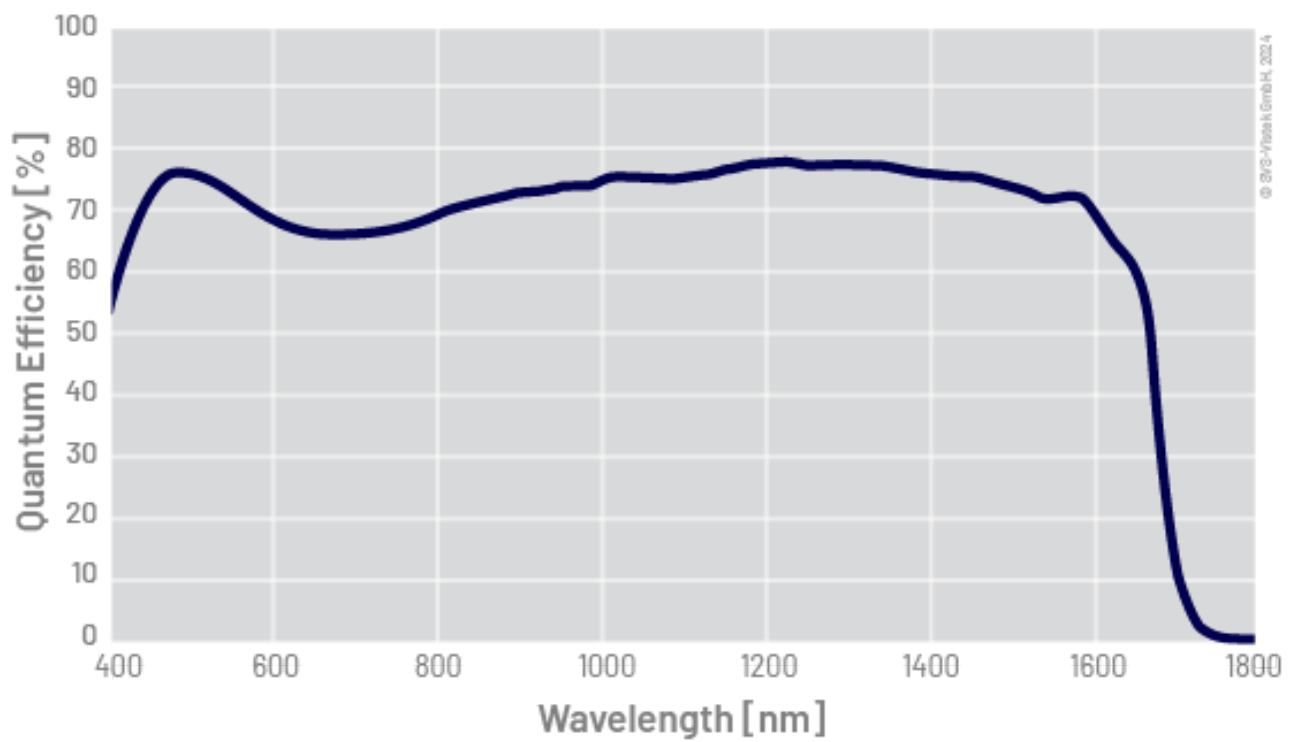
□□□□ - □□□□

□□□□:	Manual, Auto
□□□□:	Auto, Manual
□□□□□□:	FW Features - Image Control

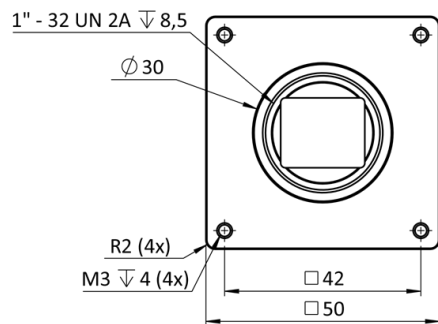
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□□□□/□□:	INTERNAL, SOFTWARE, EXTERNAL
□□□□□□:	User Sets, PWM(4), Sequencer,

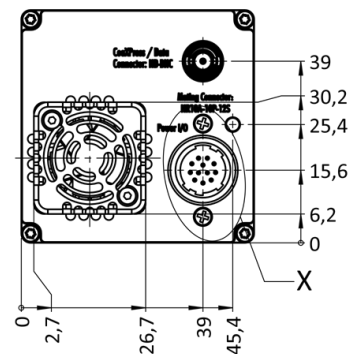
Quantum Efficiency (not included: lens- and light source characteristics)



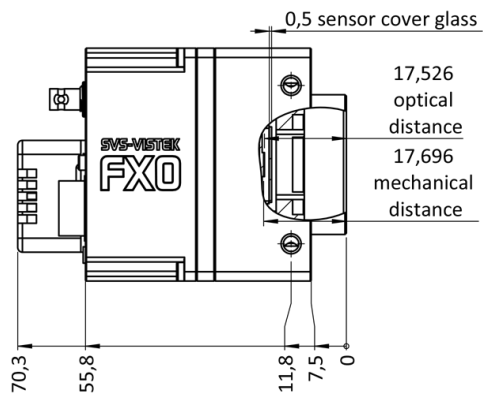
front



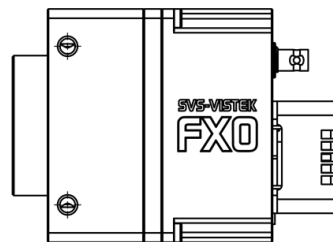
back



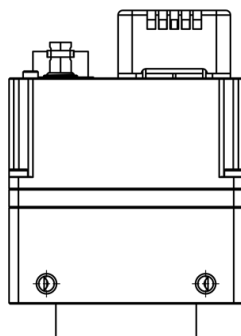
cross section



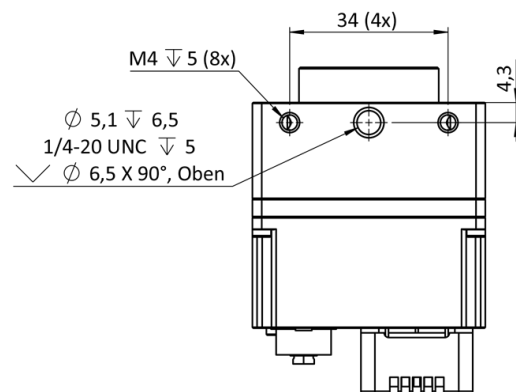
right side

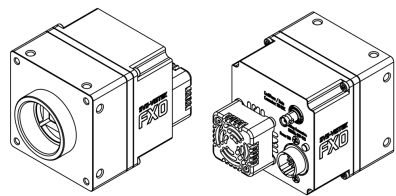


top



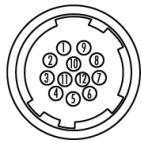
bottom





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)