

# FXO 25GigE

fxo535M25GE



## General

Model	fxo535M25GE
Product code	F002310
Product series	FXO 25GigE
Status	Available

## Sensor

Sensor type	Area scan
Chroma	Mono
Spectrum	Visible
Spectral range	400 nm to 1000 nm
Resolution	4,096 × 3,008 (12.30 MP)
Sensor model	Sony IMX535
Sensor architecture (material)	cmos
Shutter type(s)	global-shutter
Sensor size	11.22 × 8.24 mm (13.92 mm, 14mm (Type 1/1.1))
Pixel size	2.74 μm × 2.74 μm

## Pixel formats

Sensor bit depth	8-Bit,12-Bit
Monochrome pixel formats	mono8, mono12

## Imaging performance

Dynamic range	72 dB
SNR	39 dB

## Timing and gain

Max. frame rate	182.5 fps
Exposure time	4 $\mu$ s to 60 s
Gain	0.0 dB to 48.0 dB

## I/Os and power

Non-isolated lines	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,
Specific non-isolated lines	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
Opto-isolated lines	1 x Optical isolated input, 0 x Optical isolated input,
Power supply	10 to 25VDC
Power consumption	External: 18 W (typical)

## Operating conditions

Operating temperature (housing)	-10 °C to 60 °C
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## Mechanical properties

Body dimensions (L x W x H in mm)	100 × 50 × 50
Filter/protection glass	K9 - AR coating - 400-850nm
IP class	IP30
Lens mount(s)	C-Mount
Weight	320 g

## On-board memory and FPGA

Image buffer (RAM)	4032 MByte
Non-volatile memory (Flash)	128 MByte

## Interfaces

Digital interface	25gige
Interface connector	(SFP28)

## FW features - image control

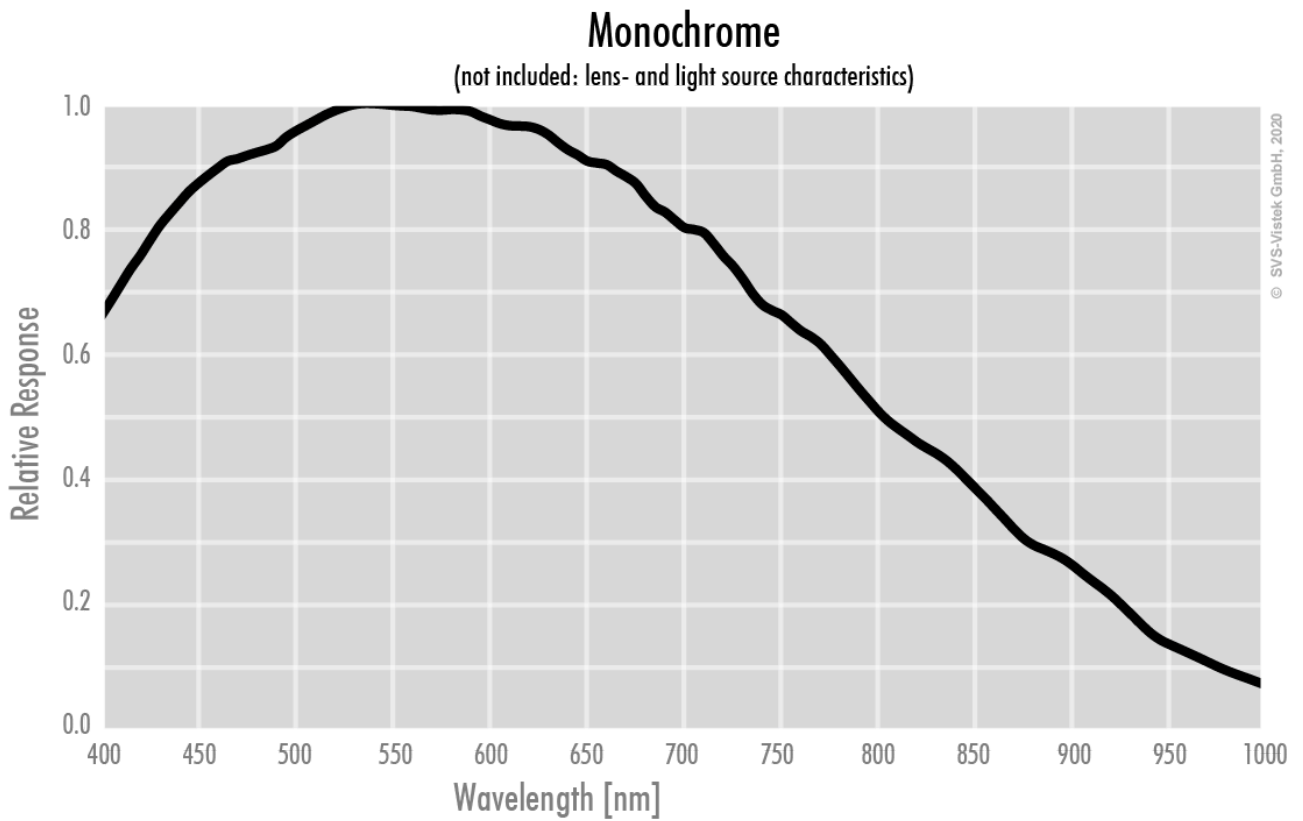
Exposure modes	Manual, Auto, External
Gain modes	Auto, Manual
Image control features	FW Features - Image Control

## FW features - camera control

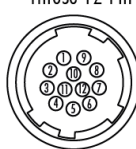
Camera control features

PTP, RDMA support, User Sets, PWM(4), Sequencer,

## Quantum Efficiency



## I/O pin assignment

 <p>Hirose 12 Pin</p>	1	VIN-	(GND)	7	OUT1	(open drain)
	2	VIN+	(10 V to 25 V 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)