

FXO 25GigE

fxo425M25GE



General

Model:	fxo425M25GE
Product code:	F002296
Product series:	FXO 25GigE
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	1,600 × 1,104 (1.80 MP)
Sensor model:	Sony IMX425
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	14.4 × 9.94 mm (17.5 mm, 17.6mm (Type 1.1))
Pixel size:	9.00 μm × 9.00 μm

Pixel formats

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

Timing and gain

Max. frame rate:	671 fps
Exposure time:	6 μ 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: 17 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

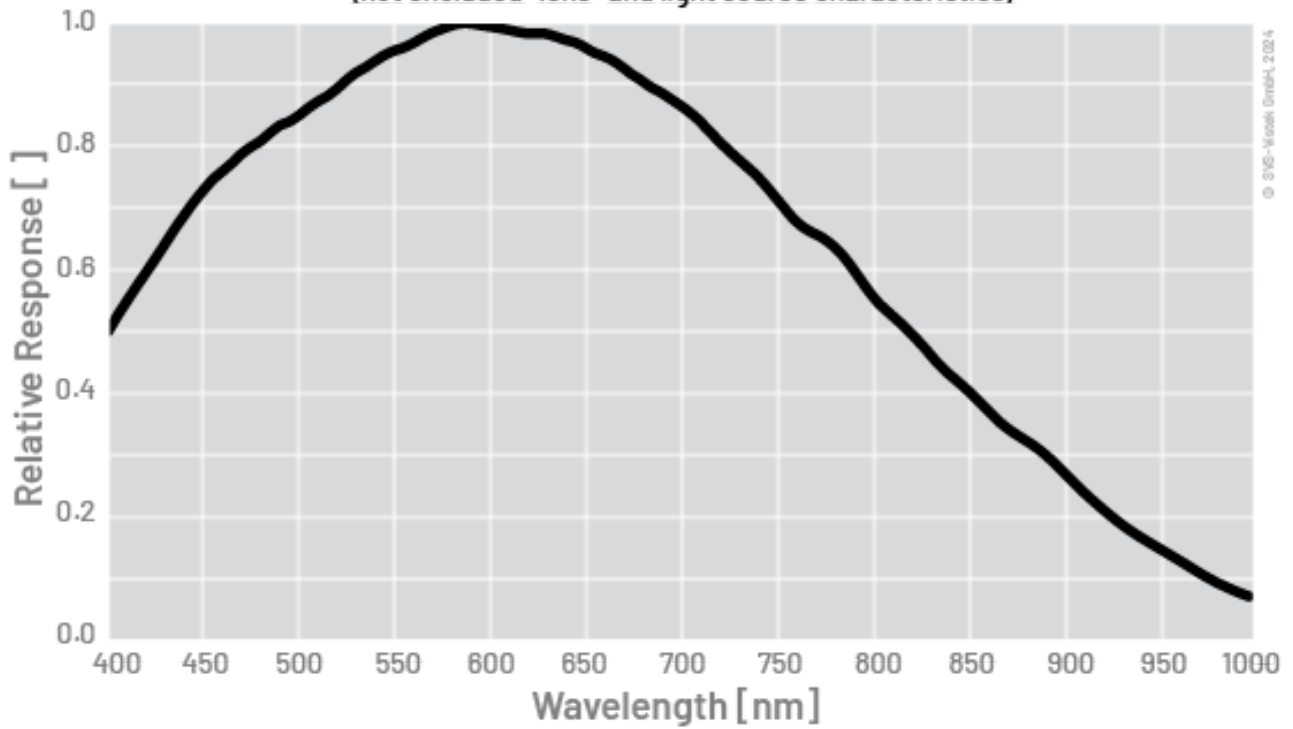
Exposure modes:	Manual, Auto, External
Gain modes:	Auto, Manual
Image control features:	FW Features - Image Control

FW features - camera control

Camera control features:	PTP, RDMA support, User Sets, PWM(4), Sequencer,
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Monochrome

(not included: lens- and light source characteristics)



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I/O pin assignment



Hirose 12 Pin

1	VIN - (GND)	7	OUT1 (open drain)
2	VIN+ (10V to 25V 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)