

FXO 25GigE

fxo531C25GE



General

Model:	fxo531C25GE
Product code:	F002307
Product series:	FXO 25GigE
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Color
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	4,512 × 4,512 (20.40 MP)
Sensor model:	Sony IMX531
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	12.36 × 12.36 mm (17.48 mm, 17.5mm (Type 1.1))
Pixel size:	2.74 μm × 2.74 μm

Pixel formats

Sensor bit depth:	8-Bit,12-Bit
RGB pixel formats:	bayer8, bayer12

Imaging performance

Dynamic range: 72 dB

SNR: 39 dB

Timing and gain

Max. frame rate: 109.5 fps

Exposure time: 4 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: 19 W (typical)

Operating conditions

Operating temperature (housing): -10 °C to 60 °C

Mechanical properties

Body dimensions (L x W x H in mm): 100 × 50 × 50

Filter/protection glass: IR-Cut 680

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

FW features - image control

White balance modes: auto, manual

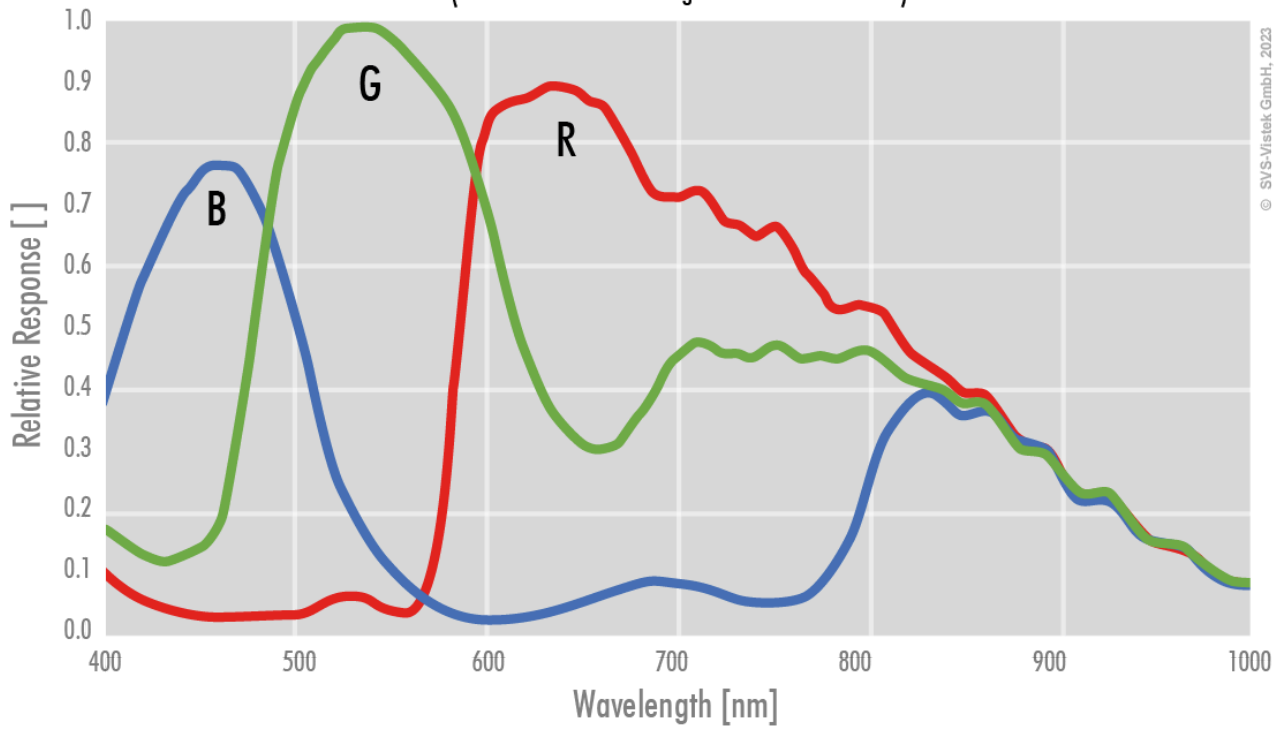
Image control features: FW Features - Image Control

FW features - camera control

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

Color

(not included: lens- and light source characteristics)



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I/O pin assignment



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