General

Model:	exo264MGE
Product code:	F002184
Product series:	EXO GigE
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	2,448 × 2,048 (5.00 MP)
Sensor model:	Sony IMX264
Sensor architecture (material):	cmos
Shutter type(s):	global-shutter
Sensor size:	8.45 × 7.07 mm (11.01 mm, 11.1mm (Type 2/3))
Pixel size:	3.45 µm × 3.45 µm

Pixel formats

Sensor bit depth:	8-Bit,12-Bit,12-Bit
Monochrome pixel formats:	mono8, mono12packed

Imaging performance

Dynamic range:	71.5 dB
SNR:	39.5 dB

Timing and gain

Max. frame rate:	24.5 fps
Max. frame rate burst:	36 fps
Exposure time:	28 µs 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 over Ethernet
Power consumption:	External: 4.5 W (typical)

Operating conditions

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

Mechanical properties

Body dimensions (L x W x H in mm):	43 × 50 × 50
IP class:	IP40
Lens mount(s):	C-Mount
Weight:	138 g

On-board memory and FPGA

Image buffer (RAM):	192 MByte
Non-volatile memory (Flash):	32 MByte

Interfaces

Digital interface:	gige
Interface connector:	(RJ-45)

FW features - image control

Exposure modes:	Manual, Auto, External
Gain modes:	Auto, Manual

FW features - image control

Image control features: FW Features - Image Control

FW features - camera control
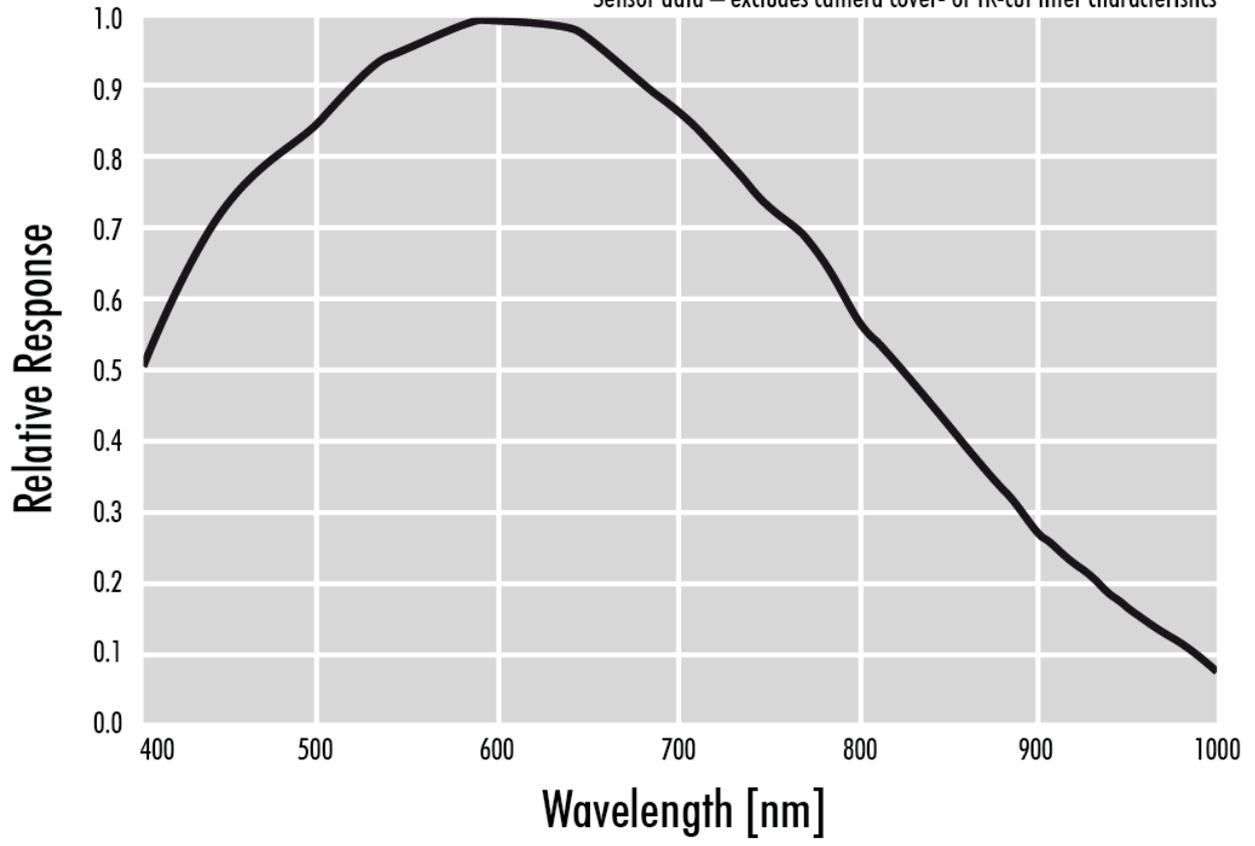
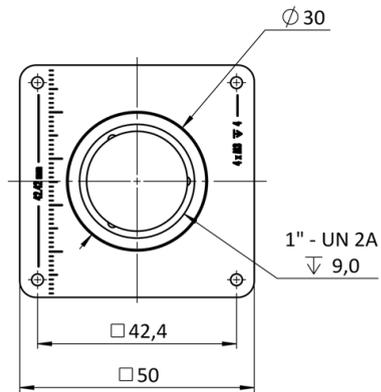Trigger modes/sync: INTERNAL,SOFTWARE,EXTERNAL

Camera control features: PTP, BurstMode, User Sets, POE, PWM(4), Sequencer,
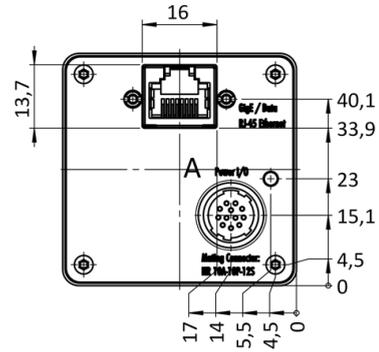
Monochrome

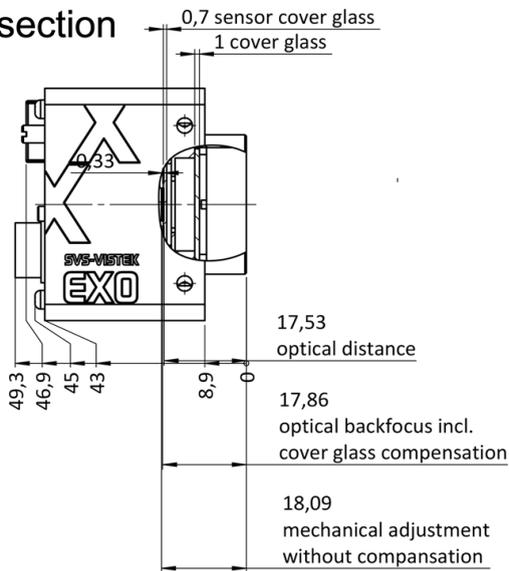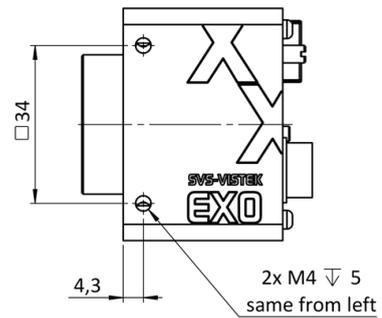Sensor data — excludes camera cover- or IR-cut filter characteristics

front

Ø 30

1" - UN 2A
▽ 9,0

□ 42,4

□ 50

back

16

13,7

GigE / Data
RJ-45 Ethernet

A   Power I/O

40,1
33,9

23

15,1

4,5
0

17
14
5,5
4,5
0

cross section

0,7 sensor cover glass
1 cover glass

0,33

SVS-VISTEK
EXO

17,53
optical distance

17,86
optical backfocus incl.
cover glass compensation

18,09
mechanical adjustment
without compansation

49,3
46,9
45
43

8,9
0

right side

□ 34

SVS-VISTEK
EXO

4,3

2x M4 ▽ 5
same from left

top

5 M4

bottom

4,3

2x M4 ▽ 5
same from top

1/4-20 UNC ▽ 5

1/4-20 UNC ▽ 5

□ 34

3D

I/O pin assignment

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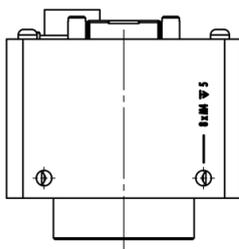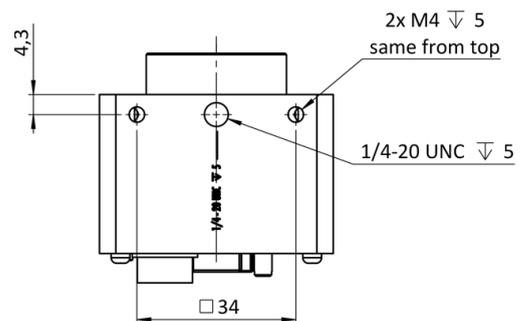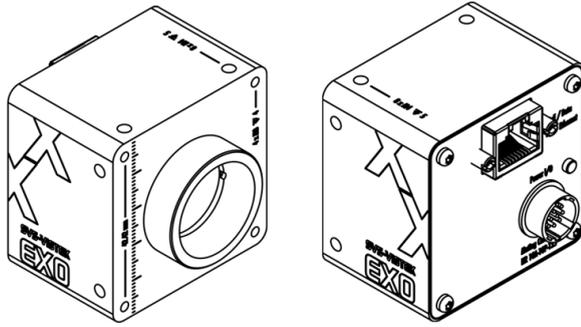
1	VIN −	(GND)		7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)		8	OUT 2	(open drain)
3	IN 4	(RXD RS232)		9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)		10	IN 3 −	(opto In −)
5	IN 1	(0 - 24V)		11	OUT 3	(open drain)
6	IN 2	(0 - 24V)		12	OUT 0	(open drain)