Allied Vision

EXO USB3
exo264ZU3

General

Model:	exo264ZU3
Product code:	F002135
Product series:	EXO USB3
Status:	Available

Sensor

Sensor type:	Area scan
Spectrum:	Visible
Spectral range:	400 nm to 1000 nm
Resolution:	2,448 × 2,048 (5.00 MP)
Sensor model:	Sony IMX264 Polarizer
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

Monochrome pixel formats:	mono12packed, mono8

Timing and gain

Max. frame rate:	35 fps
Exposure time:	21 μs to 60 s

Timing and gain

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: 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

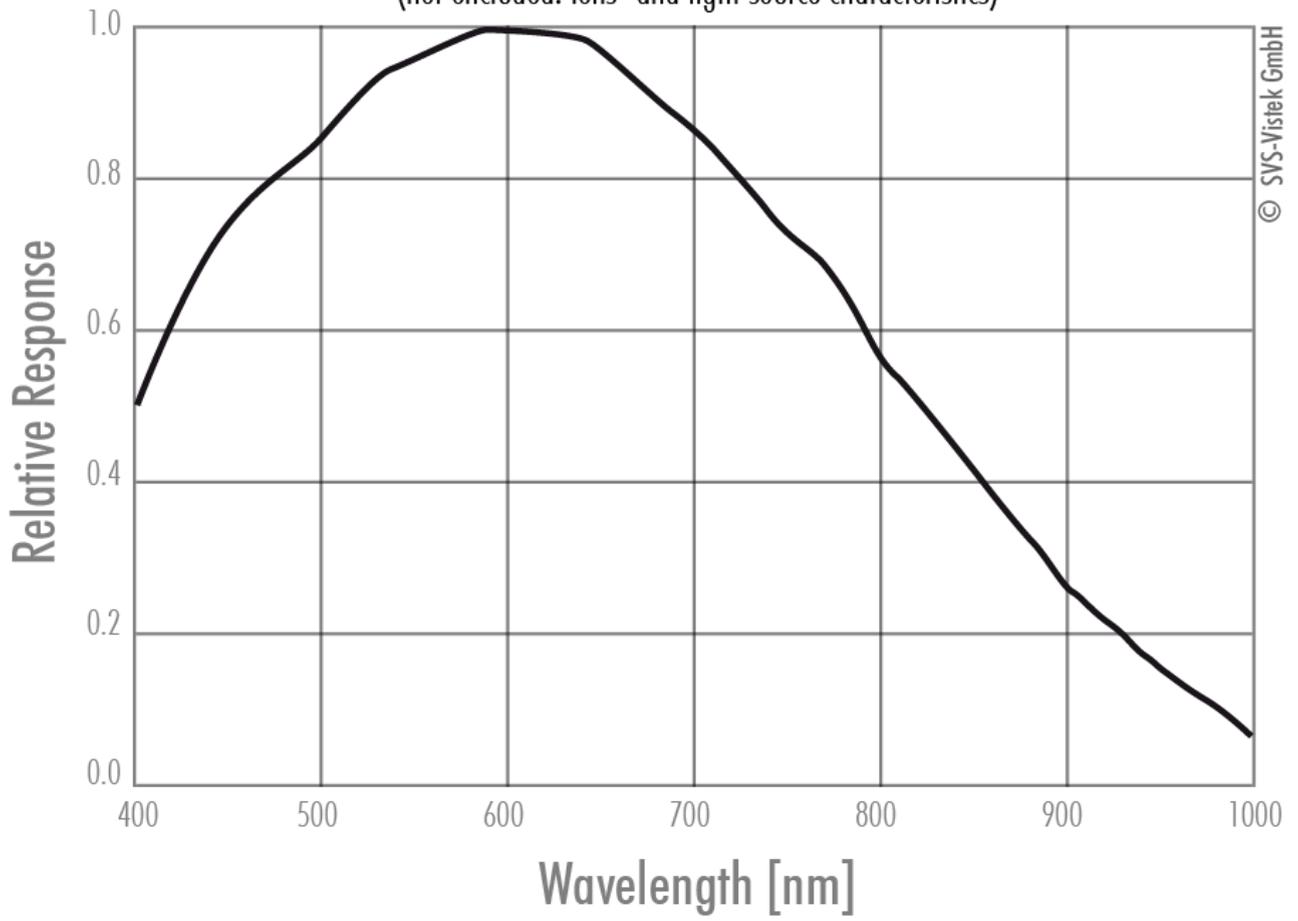|	
Image buffer (RAM):	192 MByte
Non-volatile memory (Flash):	32 MByte

Interfaces

Digital interface:	usb3.0
Interface connector:	(Micro-B)

Monochrome
(not encluded: lens- and light source characteristics)

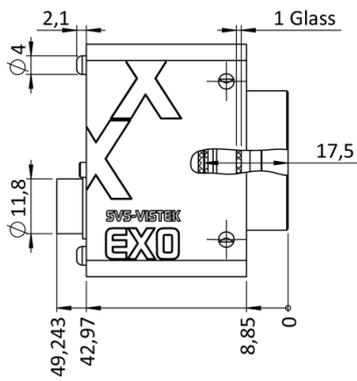Relative Response vs Wavelength [nm]

© SVS-Vistek GmbH

front

1"-32 UN 2A
11 ▽

Ø 30

10,41 aa

42,42

50

14,18 aa

42,42

50

aa - active area

back

US3 / Data
Micro-B

Power I/O

Mating Connector:
HR 10A-10P-12S

12,5

9,85

11

41

cross section

2,1

1 Glass

Ø 4

17,5

Ø 11,8

SVS-VISTEK
EXO

49,243

42,97

8,85

0

right side

34

SVS-VISTEK
EXO

4,3

(2x) M4 ▽ 5,0
same from left

top

8 x M4 ▽ 5

bottom

34

(2x) M4 ▽ 5,0
same from top

4,3

1/4-20 UNC ▽ 5

1/4" - 20 UNC 5,0
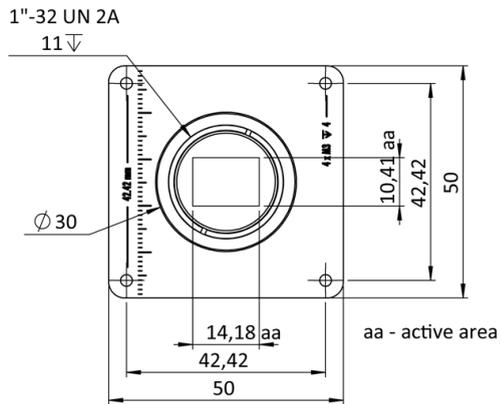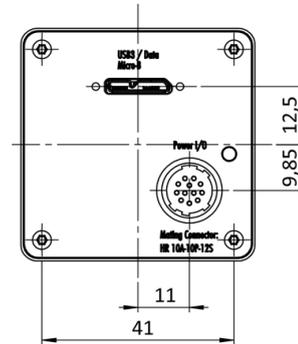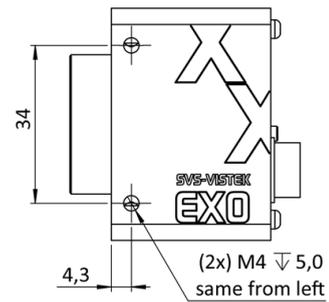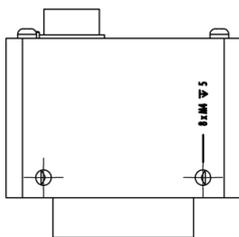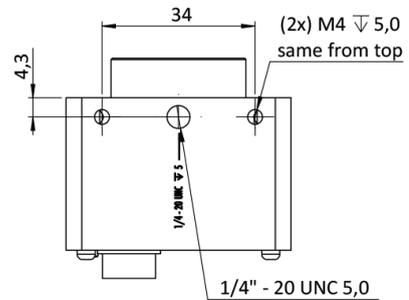
cross section

I/O pin assignment

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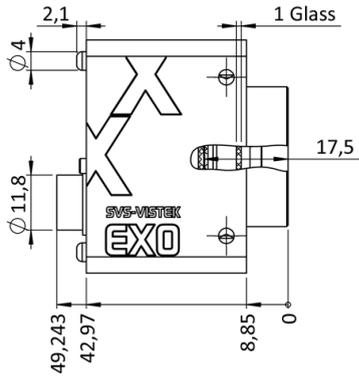
1	VIN −	(GND)		7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)		8	OUT 2	(open drain)
3	IN 4	(RXD RS232)		9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)		10	IN 3 −	(opto In −)
5	IN 1	(0 - 24V)		11	OUT 3	(open drain)
6	IN 2	(0 - 24V)		12	OUT 0	(open drain)