Allied Vision

EXO Tracer

exo304CGETR

□□

□□	exo304CGETR
□□□□	F002206
□□□□	EXO Tracer
□□	Available

□□□

□□□□□	Area scan
□□	Color
□□	Visible
□□□□	400 nm to 1000 nm
□□□	4,096 × 3,000 (12.30 MP)
□□□□□	Sony IMX304
□□□□□ (□□)	cmos
□□□□	Global shutter (GS)
□□□□□	14.13 × 10.35 mm (17.52 mm, Type 1.1)
□□□□	3.45 µm × 3.45 µm

□□□□

□□□□□	8-bit, 12-bit
RGB □□□□	bayer8, bayer12packed

□□□□

□□□□	72 dB
□□□	39.5 dB

□□□□□

□□□□□	10 fps
□□□□□ (Burst)	23.6 fps
□□□□	28 µs to 60 s
□□	0.0 dB to 48.0 dB

I/O □□□

□□□□	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,
□□□□□□	1 x RS232 input, 1 x RS232 output, 0 x RS422 input, 0 x RS422 output,
□□□□	1 x Optical isolated input, 0 x Optical isolated input,
I/O □□□	12-pin Hirose HR10A-10P-12S
□□□□	10 to 25VDC, Power over Ethernet
□□	External: 7 W (typical)

□□□□

□□□□ (□□)	-10 °C to 60 °C

□□□□

□□□□ (□ x □ x □ mm)	45 × 58 × 58
□□□/□□□□	IR-Cut - 680nm
□□□□	IP40
□□□□	MFT
□□	320 g

□□□□□□ FPGA

□□□□□ (RAM)	192 MByte
□□□□□□□ (Flash)	32 MByte

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□□□□	gige
□□□□□	(RJ-45)
□□□□	GigE Vision

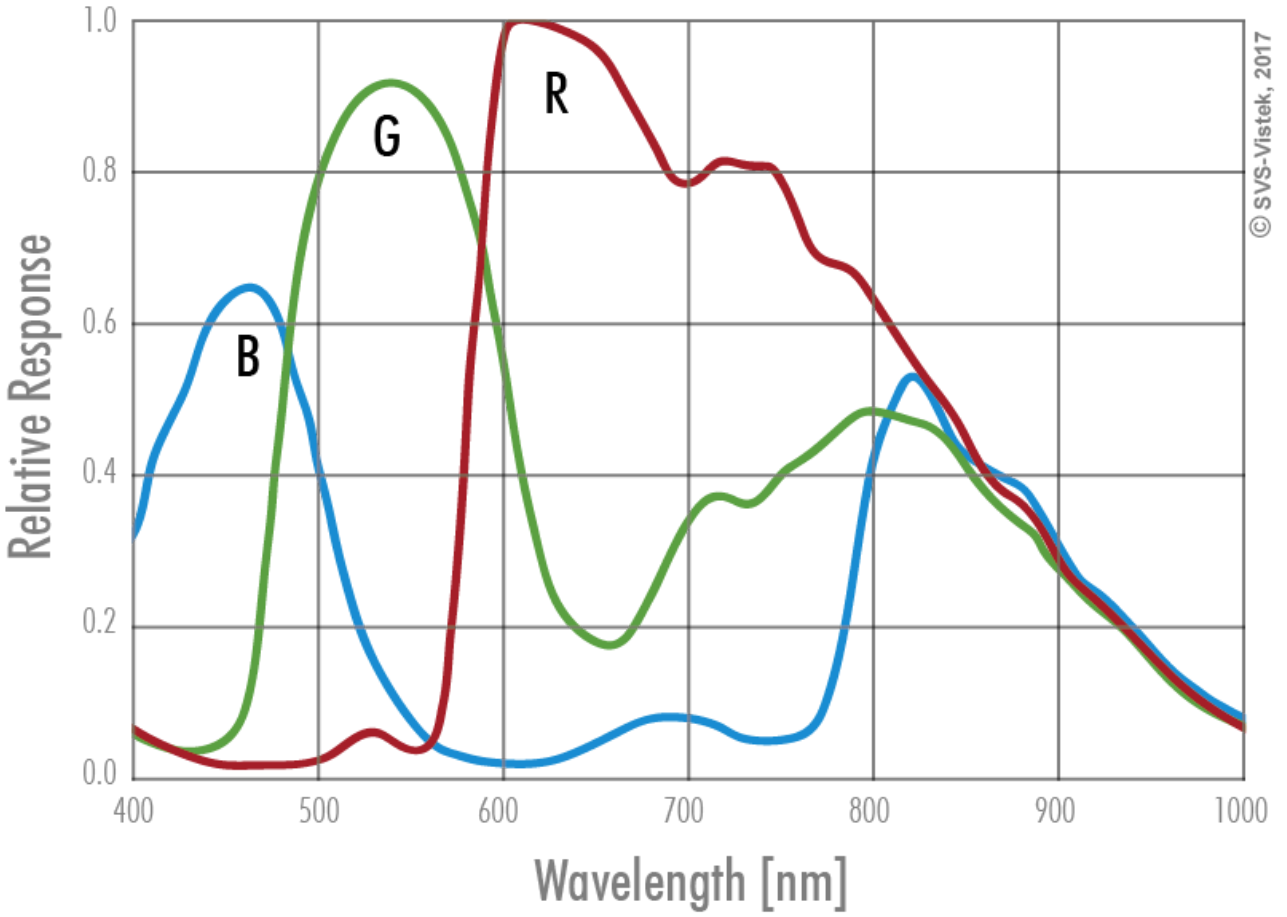
FW □□ – □□□□

□□□□	manual, auto, external
□□□□	auto, manual
□□□□□	auto, manual
□□□□□□	roi, lut, color-transformation, mirror-image, dpc, shading-correction

FW □□ – □□□□

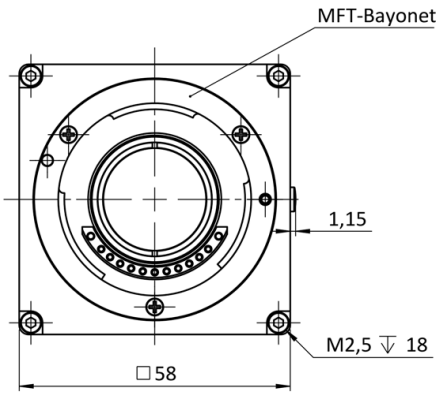
□□□□/□□	internal, software, external
□□□□□□□	PTP, BurstMode, User Sets, POE, PWM(4), Sequencer,

□□□□

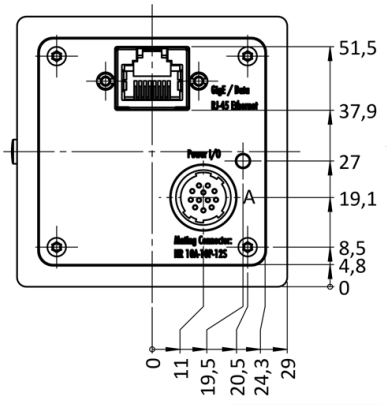

1.0
0.8
0.6
0.4
0.2
0.0
Relative Response
400
500
600
700
800
900
1000
Wavelength [nm]
B
G
R
© SVS-Vistek, 2017

□□□□

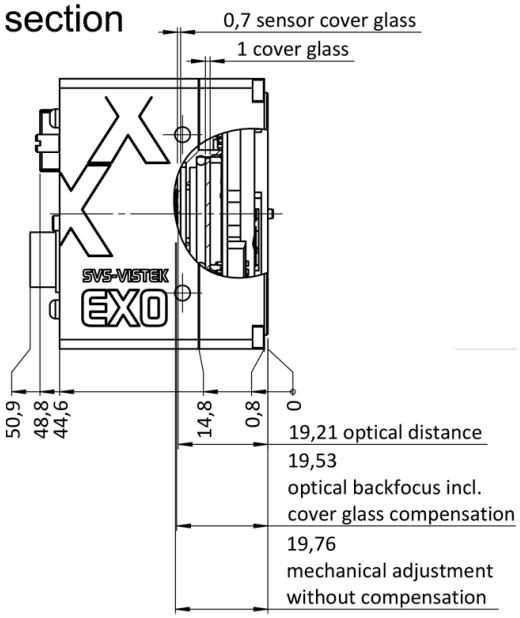
front



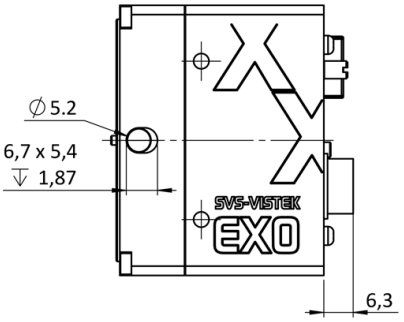
back



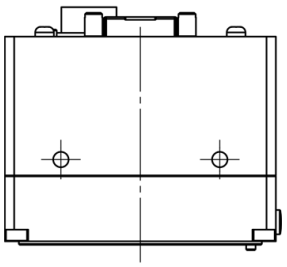
cross section



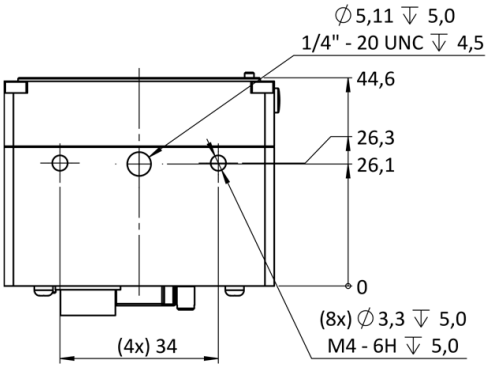
right side



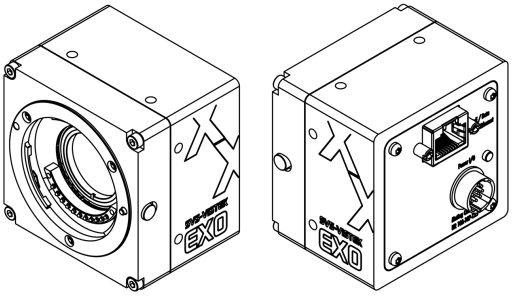
top



bottom

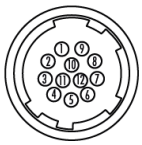


3D



I/O □□□□

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)