

exo Tracer



SVS-VISTEK

Lens Control meets Image Quality

new

12

MP

9

FPS

20

MP

5

FPS



MICRO
FOURTHIRDS

GiGE[™]
VISION

LED

4 INTEGRATED
LED-CONTROLLER

SEQ

INTEGRATED
SEQUENCER

STT

SAFE TRIGGER
TECHNOLOGY

BST

BURST MODE
TECHNOLOGY

PLC

PROGRAMMABLE
LOGIC CONTROL

Full control of zoom, focus and aperture.

See what others can't. The new EXO Tracer.

- > Resolution 20 MP @ 5 fps or 12 MP @ 9 fps
- > up to 72 dB Dynamic Range
- > MFT lens control by camera
- > Genlcam Transport Layer
- > Dynamic lens control supported by Visionbuilder, VisionPro, MERLIC and many more



SVS-Vistek GmbH / Germany

SVS-Vistek K.K. / Japan

SVS-Vistek Inc. / USA

info@svs-vistek.com

www.svs-vistek.com

www.svs-vistek.com

Scale your vision.

EXO Tracer

	exo304 TR	exo183 TR
Resolution [pix]	4,096 x 3,000	5,496 x 3,672
Frame rate (max.)	9 fps	5 fps
Interface	GigE Vision	GigE Vision
[MP]	12	20

new

Specifications Sensor

Sensor	IMX 304LQR	IMX 183LQR
Manufacturer	Sony	Sony
Sensor Type	Area CMOS	Area CMOS
Shutter Type	global shutter	rolling shutter
Sensor size (h x v) [mm]	14.13 x 10.35	13.19 x 8.81
Readout Type	progressive scan	progressive scan
Chroma	mono or bayer (RGB)	mono or bayer (RGB)
Optical diagonal [mm]	17.52	15.86
Sensor Format	1.1"	1"
Pixel size (h x v) [µm]	3.45 x 3.45	2.4 x 2.4

Specifications Camera

Exposure modes	Manual, Auto, External	Manual, Auto
Trigger modes	Internal, Software, External	Internal, SW, External
Exposure time min. [µs]	28	120
Exposure time max. [sec]	1 (external ∞)	1 (external ∞)
Pixel format [bit]	8 / 12	8 / 12
Dynamic range / SNR [dB]	72.2 / 39.5	71.5 / 40
Internal memory SDRAM / Flash [MB]	256 / 32	256 / 32

Feature Set

Offset	yes	yes
Readout Control	yes	yes
Binning	yes	yes
Image Flip	yes	yes
LUT	yes	yes
White balance (color)	auto/manual	auto/manual

Specifications Housing

Lens mount	MFT (Micro Four Thirds)	MFT (Micro Four Thirds)
Dimensions (w x h x d) [mm]	58 x 58 x 44.5	58 x 58 x 44.5
Protection class	IP40	IP40
Weight [g]	320	320

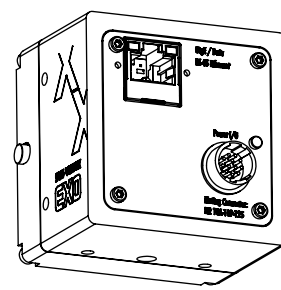
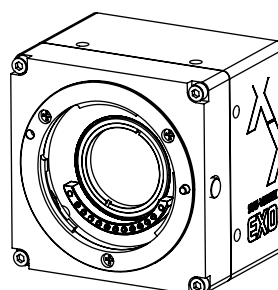
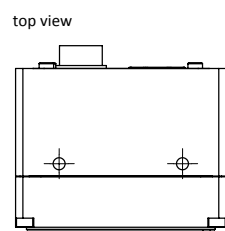
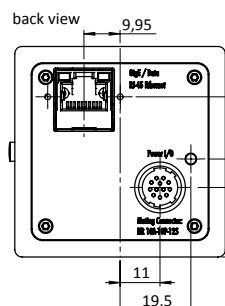
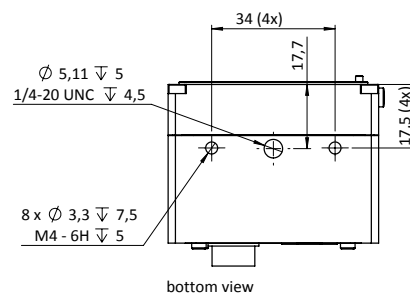
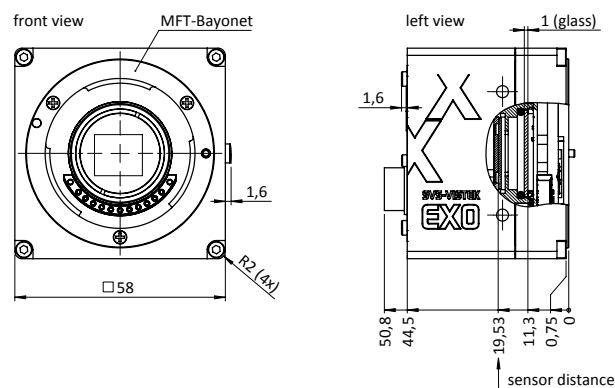
Digital I/O Interfaces

Output open Collector	4x	4x
Output RS-232	1x	1x
Input 24 V	2x	2x
Input RS-232	1x	1x
Opto in	1x	1x

Ordercode

color	exo304 C GE TR	exo183 C GE TR
mono	exo304 M GE TR	exo183 M GE TR

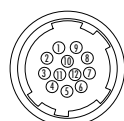
Dimensions [mm]



GigE VISION

Pinout

Hirose 12 Pin



- | | |
|-----------------------|-----------------------|
| 1 V In- (Gnd) | 7 Out 1 (open drain) |
| 2 V In+ (10 - 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) |