**Software**


- > Works with any GenICam camera
- > Windows, Linux and macOS supported (x64, x86, ARM)
- > Compliant with standards such as USB3 Vision
- > CoaxPress, GigE Vision, GenICam, Camera Link
- > GenICam Transport Layer for out-of-the-box compatibility to nearly all Machine Vision software

**Powerful I/O Concept**


- > Hirose and industrial M12 connectors
- > Configurable I/O matrix
- > Up to 4 x power PWM OUT max 3A (depending on series)
- > Up to 4 x trigger IN, TTL -24V
- > Up to 2 x optical IN
- > RS323 or RS422 IN/OUT

**Unique Features**

- > PWM power drives for LED lights (LED)
- > Programmable sequencer for shutter and LEDS (SFO)
- > Programmable I/O logic (PLC)
- > Burst mode (BST)
- > Safe trigger (STT)
- > Precision time protocol (PTP)
- > Particle image velocimetry (PIV)
- > Dynamic lens control (MLT)
- > Thermo Electric Cooled (TEC) Option

**Engineering and Production**

- > Excellent optical precision
- > Precise and rugged long life mechanical design
- > Advanced temperature management
- > Industrial protection class up to IP67

**Design**

- > OEM Design for system integration
- > Flexible and scalable with identical connector pinout in all camera series
- > Individual custom OEM designs for system integrators
- > Industrial long-term support of cameras
- > Wide power supply range 10 - 25 V

**Modular Building Blocks**

The modular architecture of SVS-Vistek cameras enable a simplified camera design with proven modular functionality. Individual components can be combined to create an individual solution. This allows us to quickly integrate new cameras, variants, sensors and special requests into our camera series.

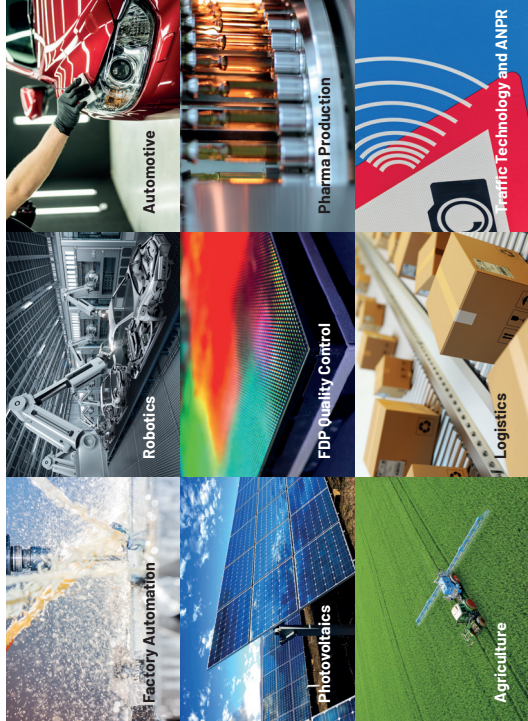
Many industrial applications require cameras with special features. Be it just a special paint job, a specific lens mount, a special interface or a special firmware function. Our OEM customers benefit from this modularity through short development times and attractive pricing.

Camera Concept


Supported Features and Technologies:

- > Resolution up to 245 megapixel
- > Up to 225.000 fps
- > Global and Rolling Shutter CMOS sensors
- > Monochrome and Color Versions (Bayer Pattern)
- > White balance for color versions (one shot, continuous or manual)
- > Programmable logic I/O functionality with timers
- > User-definable AOI (Area of Interest)
- > Binning Modes for higher frame rates
- > Shading Correction
- > Defect Pixel Correction
- > Adjustable Gain and Offset
- > Auto-Exposure and Auto-Gain
- > Image Flip
- > Lookup Table (LUT)
- > Exposure controlled by Trigger, manually or automatically
- > 8, 10, 12 or 16 Bit
- > Wide Range of Power Inputs: 10 – 25 V DC
- > Various Trigger (int./ext./free running) and Exposure Modes
- > Programmable Sequencer for shutter and strobe
- > Pulse-Width Strobe-Control
- > Logical Trigger Functions
- > Schmitt-Trigger (Debounce)
- > Particle Image Velocimetry (PIV-Mode)
- > Thermoelectric Cooling (TEC)


Your Individual Solution for your Application Field:




Our sales team will be pleased to assist you with expert advice. Please contact us.

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Germany

Japan

USA

Scale Your Vision

A TKH TECHNOLOGY COMPANY

TKH

A TKH TECHNOLOGY COMPANY

TKH

MIKROTRON
a TKH Vision brand

US3  gige  cXP  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12  cXP-12



a TKH Vision brand

Industrial Vision Cameras










2025 10

made by SVS-Vistek

Compact, High-Resolution, Invisible
Wavelength & High-Speed Cameras

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Feature List

Compact										High Resolution										High Speed									
1.6 to 31.4 Mpixel CMOS					5 to 24.6 Mpixel CMOS					25 to 65 Mpixel CMOS					47 to 245 Mpixel CMOS					1.1 to 21 Mpixel					1.1 to 3 Mpixel				
Sony and CMOSIS					Sony					Sony / Gpixel / ON Semiconductor					Sony					Luxima OnSemi, Alterra, Gpixel					Luxima OnSemi, Micron				
mono and color versions, Polarized, SWIR					mono and color versions, UV, SWIR					mono and color versions										SWR and Quad1S: mono and color									
global shutter / rolling shutter					global shutter					global shutter / rolling shutter										Mini and Cube: mono									
616E Vision, Camera Link Base or USB3 Vision					100GigE Vision, 2560E Vision + RCPA, 100GigE + RCPA, 1 × CoaXPress-12, 2 × CoaXPress-12					100GigE Vision, Camera Link, 4 × CoaXPress-6, 4 × CoaXPress-12					100GigE or 4 × CoaXPress-6, 4 × CoaXPress-12					4 × CoaXPress-12, 100GigE									
256 Mbit internal memory					1024 Mbit internal memory					512 Mbit internal memory					512 Mbit internal memory					not available									
8 or 12 bit pixel format					8, 10 or 12 bit pixel format					8, 10, 12 or 16 bit pixel format					PnE (optional) PnCL, PnCLXP					8 or 10 bit pixel format									
PnE, PnCL, PoLpS					PnE+, PnCLXP					PnE+ (optional) PnCL, PnCLXP					PnE (optional) PnCLXP					PnCLXP									
C mount, M42, MFT, EF mount					C mount, EF mount					M68(FPD1.48) EF mount, RF mount (on demand)					M72 Mount (FPD 19.55)					C mount, F mount, M42, M68, flat front									
Lens Mount Adapters available															M72 Mount (FPD 19.55)					C mount, F83 Mount									
					TEC Cooled Option					TEC Cooled Version					TEC Cooled Version					Lens Mount Adapters									
50 × 50 × X mm (M42; 58 × 68 × X)					50 × 50 × X mm (dep. on interface)					70 × 70 × X mm (dep. on sensor)					80 × 80 × X mm (dep. on sensor)					CL: 60 × 60 × X; CXP8 and CXP12: 80 × 80 × X (dep. on sensor)									
precision machine housing																				Quat 65 × 65 × X (dep. on sensor), Mini 63 × 63 × X (dep. on mount), Cube 69 × 63 × X (dep. on mount), Sine 95 × 65 × X (dep. on mount)									
** manual or auto tap balancing																													
2 × 2 binning																				EoSens 9.5, EoSens 10 and EoSens 21									
horizontal and vertical image flip																													
custom detect pixel corr. - detect pixel map *																													
shading correction																													
AOI / ROI (area of interest / region of interest)																													
read out control (GigE only)																													
write balance (manual / auto)																				only available for Cube4, mini1 and mini2									
exposure time control (manual, auto or external)																													
gain (manual or auto)																				Digital and analog									
adjustable offset																													
LUT (look up table)																													
trigger mode (internal, software or external)																													
integrated temperature sensor - SDX accessible																													
GenICam compatible																													
compatible with most 3 rd party software																													
                                                           																													

Compact cameras

EXO series

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

BST

BURST MODE

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

W

WIRELESS

TECHNOLOGY

CAMERA HOUSING

x50 mm

e.g. QR-Code reading

US3

VISION

GigE

VISION

Link

Link

EXO - The Integrator's Camera

The EXO series is based on the most powerful CMOS sensors from Sony and CMOSIS. In a precision-milled unibody housing, it offers an extremely clever, flexible and economical camera concept with excellent image quality, outstanding temperature behavior, multiple inputs, PLC functionality and a multi-channel Strobe Controller.

The tight thermal connection of the power-saving, optimized electronics and sensor to the housing enables operating temperatures of up to 60°C for most EXO models. The cameras are available with GigE Vision, Camera Link and USB3 Vision interfaces and support the latest standards such as GenICam 3.0 and USB 3.1. A large number of evenly distributed mounting holes allow the EXO camera to be mounted precisely and securely, providing reliable support even for heavy lenses.

Special Features of the EXO series:

- Resolution 1.6 to 31.4 megapixel (up to 4/3")
- Latest CMOS sensors from Sony and CMOSIS
- Monochrome and color versions (Bayer pattern)
- Various trigger and exposure modes
- Logic trigger functions (PLC)
- Adjustable gain, auto gain and auto-exposure
- Binning mode
- Area of interest (AOI / ROI)
- White balance for color versions
- C mount, M42 or Micro Four Thirds lens adapter
- 8/12 Bit video data stream
- 256 MB burst mode memory inside (GigE)
- 4 × Power Output (4-channel strobe controller)
- electric and optical input
- Programmable sequencer für shutter and LED lights
- SDK for Windows, Linux and macOS available
- GenTL driver, GenICam 3.0 standard
- Trigger voltage TTL-24V

										GigE	CL	USB3
Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]				
exo273	1.6	1,440 × 1,080	1/2.9"	Sony IMX273	3.45	GS	C	79	-	-		
exo174	2.3	1,920 × 1,200	1/1.2"	Sony IMX174	5.86	GS	C	53.6	105	160		
exo249	2.3	1,920 × 1,200	1/1.2"	Sony IMX249	5.86	GS	C	41	-	41		
exo252	3.1	2,048 × 1,536	1/1.8"	Sony IMX252	3.45	GS	C	-	-	78	115	
exo265	3.1	2,048 × 1,536	1/1.8"	Sony IMX265	3.45	GS	C	39	-	55		
exo4000	4	2,048 × 2,048	1"	CMOSIS CMV4000	5.5	GS	C	29.5	-	74		
exo250	5	2,448 × 2,048	2/3"	Sony IMX250	3.45	GS	C	24.5	49	75		
exo264	5	2,448 × 2,048	2/3"	Sony IMX264	3.45	GS	C	24.5	-	35		
exo547	5	2,448 × 2,048	2/3"	Sony IMX547	2.74	GS	C	24.5	-	-		
exo428	7.1	3,208 × 2,200	1.1"	Sony IMX428	4.54	GS	C	17.4	-	51.4		
exo546	8.1	2,840 × 2,840	2/3"	Sony IMX546	2.74	GS	C	15	-	-		
exo255	8.8	4,096 × 2,160	1"	Sony IMX255	3.45	GS	C	-	-	42		
exo253	12.3	4,096 × 3,000	1.1"	Sony IMX253	3.45	GS	C	-	-	30		
exo304	12.3	4,096 × 3,000	1.1"	Sony IMX304	3.45	GS	C	10	20	23		
exo545	12.3	4,096 × 3,000	1/1.1"	Sony IMX545	2.74	GS	C	10	-	-		
exo902	12.4	6,048 × 2,048	17.5 mm	Sony IMX902	2.74	GS	C	8	-	20	PREL	
exo542	16.1	5,320 × 3,032	16.8 mm	Sony IMX542	2.74	GS	C	7	-	23		
exo901	16.4	8,016 × 2,048	22.7 mm	Sony IMX901	2.74	GS	C	7.5	-	15	NEW	
exo183	20.2	5,496 × 3,672	1"	Sony IMX183	2.4	RS	C	6	12	17		
exo541	20.3	4,504 × 4,504	17.45 mm	Sony IMX541	2.74	GS	C	6	-	18.4		
exo540	24.5	5,320 × 4,600	19.27 mm	Sony IMX540	2.74	GS	C	5	-	15		

EXO M42 mount

These EXO models have fast GigE Vision or USB3 interfaces and provide image resolutions of up to 31.4 megapixels. The sensors have large 3.45 µm pixels,

delivering an excellent dynamic range up to 72 dB and high light sensitivity. Due to the sensor size, the cameras come with a M42 mount.

										GigE	USB3
Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]			
exo367	19.6	4,416 × 4,428	4/3	Sony IMX367	3.45	GS	M42	6.2	19		
exo342	31.4	6,464 × 4,852	APS-C	Sony IMX342	3.45	GS	M42	3.8	12		

Compact cameras

Tracer series

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

BST

BURST MODE

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

W

WIRELESS

TECHNOLOGY

CAMERA HOUSING

x50 mm

e.g. traffic inspection

US3

VISION

GigE

VISION

Link

Link

EXO Tracer

The Tracer's lens mount is a Micro Four Thirds (MFT) mount, covering all electric connections for lightning fast control of the lens zoom, focus and aperture. The optical lens specification of MFT allows for the best optical results. The MFT mount opens up a wide range of high-quality lenses for the Tracer. Control options for exposure time, focus, zoom, aperture and strobe lighting through a single GenICam interface. Combining this lens control with high performance sensors up to 20 MP of resolution and 72dB dynamic range, the Tracer can deliver cutting edge imaging technology.

										USB3	GigE
Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]			
exo304 TR	12.3	4,096 × 3,000	1.1"	Sony IMX 304	3.45	GS	MFT	-	10		
exo387 TR	16.8	5,456 × 3,076	4/3"	Sony IMX 387	3.45	GS	MFT	22	7.4		
exo367 TR	19.6	4,416 × 4,428	4/3"	Sony IMX 367	3.45	GS	MFT	19	6.2		
exo183 TR	20.2	5,496 × 3,672	1"	Sony IMX 183	2.4	RS	MFT	-	6		

Compact cameras

FXO series

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

P

PRECISION

TIME

PROTOCOL

CAMERA HOUSING

x50 mm

e.g. water inspection

US3

VISION

GigE

VISION

Link

Link

FXO - High image quality in a compact housing

The FXO offers an extremely flexible, powerful and at the same time costefficient camera concept that impresses with excellent image quality, fast interfaces, versatile inputs and an integrated, multi-channel GenICam Strobe Controller.

The Pregius S sensor from Sony with Global Shutter shines with outstanding image quality and is the heart of the FXO series. The 2.74 µm pixels enable high light sensitivity combined with very low noise characteristics. The excellent homogeneity and high dynamic range of the image set standards. In addition, the compact design allows the use of economical lenses and is easier to integrate in applications where space is limited.

- Resolutions up to 24.6 megapixels (up to 1.2") in a small C mount housing
- Smallest camera with CXP12-2C (2 Connections) interface
- Thermally highly optimized milled housing
- State-of-the-art interfaces 10GigE, 25GigE, 100GigE and CoaXPress-12 with PoE or PoCXP
- Mono and Color (Bayer) with auto white balance
- Various trigger and exposure modes, global shutter
- Auto manual gain and exposure
- Various binning modes with performance boost
- Area of Interest (AOI/ROI)
- Logical trigger functions (PLC)
- Power output (4-channel strobe controller) with 3A max
- Electric and optical inputs TTL-24V
- Programmable timers and sequencers with logic modules
- SDK for Windows (32/64bit), Linux and macOS
- GenTL driver, GenICam Standard 3.0
- Ideal for cleanrooms (fanless option)

										CXP12	10GigE	25GigE
Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]				
fxo425	1.8	1,600 × 1,104	17.6 mm	Sony IMX425	9	GS	C	662*	-	-	671	
fxo421	2.8	1,936 × 1,472	11 mm	Sony IMX421	4.5	GS	C	413.5*	-	-	-	
fxo537	5	2,448 × 2,048	8.8	Sony IMX537	2.74	GS	C	262*	-	-	262	
fxo547	5	2,448 × 2,048	1/1.8	Sony IMX547	2.74	GS	C	124.3	124	-	-	
fxo420	7.1	3,216 × 2,208	17.6 mm	Sony IMX420	4.5	GS	C	207*	-	-	-	
fxo546	8	2,840 × 2,840	11.1 mm	Sony IMX546	2.74	GS	C	88	88	-	-	
fxo536	8.1	2,848 × 2,848	11.1	Sony IMX536	2.74	GS	C	195*	-	-	195	
fxo535	12.3	4,096 × 3,008	14	Sony IMX535	2.74	GS	C	182.5*	-	-	182.5	
fxo545	12.3	4,096 × 3,000	1/1.1	Sony IMX545	2.74	GS	C	61	61	-	-	
fxo902	12.4	6,048 × 2,048	17.5 mm	Sony IMX902	2.74	GS	C	135.4*	98.1	-	PREL	
fxo542	16.1	5,320 × 3,032	16.8 mm	Sony IMX542	2.74	GS	C	45.6	45.6	-	-	
fxo532	16.2	5,328 × 3,040	16.8 mm	Sony IMX532	2.74	GS	C	144*	-	-	144	
fxo901	16.4	8,016 × 2,048	22.7 mm	Sony IMX901	2.74	GS	C	135.4*	73.6	-	NEW	
fxo541	20.2	4,480 × 4,504	17.5 mm	Sony IMX541	2.74	GS	C	33.1	35.7	-	-	
fxo531	20.4	4,512 × 4,512	17.5 mm	Sony IMX531	2.74	GS	C	109.5*	-	-	109.5	
fxo540	24.4	5,312 × 4,600	19.3 mm	Sony IMX540	2.74	GS	C	30.4	30.4	-	-	
fxo530	24.6	5,328 × 4,608	19.3 mm	Sony IMX530	2.74	GS	C	97.6*	-	-	97.6	

* CoaXPress12 with 2 connections

High Resolution cameras

HR series

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

P

PRECISION

TIME

PROTOCOL

CAMERA HOUSING

x50 mm

e.g. electronics inspection

US3

VISION

GigE

VISION

Link

Link

HR - High Resolution and Speed

The HR series combines High-Resolution image sensors with powerful, state-of-the-art Machine Vision interfaces. The camera achieves data rates of up to 25 Gbit/s and resolutions of up to 65 megapixels. The sophisticated, durable housing provides excellent temperature management and enables fanless operation on almost all models, even with large sensors. The M58 lens thread has been designed so that almost all lenses can be connected using appropriate adapters and can be optimally matched to your imaging task. The IO concept offers programmable IO logic, sequencer, timer, SafeTrigger and an integrated 4-channel LED flash control. The controller integrated in the camera's GenICam tree can be controlled via any GenICam application or the SDK. Now also available as a new „-T“ version: The combination of thermoelectric cooling (TEC) and heating with advanced, dust-proof ventilation ensures a stable sensor temperature and therefore greater reliability and consistent image quality.

										10GigE	CL	CXP	CXP-12
Model	[MP]	Resolution [pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]					
hr387	16.7	5,456 × 3,076	21.7 mm	Sony IMX387	3.45	GS	M58/F	56.4	-	-	-	-	
hr25	25	5,120 × 5,120	32.5 mm	ON Semi Python25K	4.5	GS	M58/F	-	31.8	81	-	-	
hr342	31.4	6,464 × 4,852	27.9 mm	Sony IMX342	3.45	GS	M58/F	35.4	-	-	35.7	-	
hr49	49	7,008 × 7,000	37.4 mm	GMAX3265-49	3.2	GS	M58/F	-	17	30	71	-	
hr51	51	8,424 × 6,032	35 mm	GMAX4651	4.6	GS	M58/F	23.7	-	-	30	-	
hr455	61	9,568 × 6,380	43.24 mm	Sony IMX455	3.76	RS	M58/F	18	-	-	18	-	
hr455-T	61	9,568 × 6,380	43.24 mm	Sony IMX455	3.76	RS	M58/F	18	-	-	-	-	NEW
hr65	65	9,344 × 7,000	37.4 mm	GMAX3265	3.2	GS	M58/F	17.4	13	35.5	71	-	

PoE+ versions on request; all 10GigE cameras with PTP mode, -T: with built-in thermoelectric cooler (TEC)

High Resolution cameras

SHR series

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

P

PRECISION

TIME

PROTOCOL

CAMERA HOUSING

x50 mm

e.g. display inspection

US3

VISION

GigE

VISION

Link

Link

SHR - Maximum Resolution

For applications that need to be inspected in great detail, High-Resolution and fast image transfer are required. With CMOS sensors and an outstanding resolution of up to 245 megapixels, the SHR series sets new standards. All cameras offer extensive I/O functions with Sequencer and integrated Strobe Controller.

High structural precision in sensor alignment and housing ensure accurate image reproduction and secure mounting of camera mount, adapters and lenses. The half-format SHR is equipped with a standardized M72 thread, allowing access to a wide range of lenses and adapter rings. The short flange distance of 19.55 mm allows the highest quality lens systems to be individually adapted to almost any task. Now also available as a new „-T“ version: The combination of thermoelectric cooling (TEC) and heating with advanced, dust-proof ventilation ensures a stable sensor temperature and therefore greater reliability and consistent image quality.

										10GigE	CXP-6	CXP-12
Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]				
shr461	101.8	11,648 × 8,742	55 mm	Sony IMX461	3.76	RS	M72	8.7	8.7	-	-	
shr661	127.6	13,392 × 9,528	56.73 mm	Sony IMX661	3.45	GS	M72	8.2	-	-	20.3	
shr411	151	14,192 × 10,640	66.7 mm	Sony IMX411	3.76	RS	M72	6.1	6.1	-	-	
shr411-T	151	14,192 × 10,640	66.7 mm	Sony IMX411	3.76	RS	M72	6.1	-	-	-	NEW
shr811	245	19,200 × 12,800	64.84 mm	Sony IMX811	2.81	GS	M72	-	-	-	12.4	NEW

all 10GigE cameras with PTP mode; PoE versions on request, -T: with built-in thermoelectric cooler (TEC)

Invisible Wavelength cameras

SWIR & UV cameras

LED

INTegrated

LOCK CONTROLS

SEQ

INTegrated

SEQUENCER

STT

SAFE TRIGGER

TECHNOLOGY

BST

BURST MODE

TECHNOLOGY

PLC

PROGRAMMABLE

LOGIC CONTROL

CAMERA HOUSING

x50 mm

e.g. moisture inspection with UV

US3

VISION

GigE

VISION

Link

Link

SWIR Cameras

SVS-Vistek SWIR cameras incorporate Sony SenSWIR technology and the proven EXO and FXO camera platforms. Thanks to their wide spectral range and high sensitivity, SVS-Vistek SWIR cameras combine the benefits of an extremely compact footprint with a range from 400 nm VIS to the SWIR range at 1700 nm. With an innovative thermal design, users can have outstanding optical quality and dynamic range results, potentially using a single camera for multiple areas of the light spectrum.

400 nm 750 nm 1700 nm

← Visible wavelength → ← SWIR wavelength →

timers, RoZ32 mer iAcE, electrical and optical inputs, GeniCam and GenTL

GigE 10GigE CXP-12 USB3

Model	[MP]	Resolution [Pixel]	Format	Sensor	Pixel [µm]	Shutter	Mount	max. Frame Rate [fps]			
exo991	0.3	640 × 512	1/4"	Sony IMX991	5	GS	C	260	-	-	-
exo990	1.3	1,280 × 1,024	1/2"	Sony IMX990	5	GS	C	94.4	-	-	125.4
fxo990	1.3	1,280 × 1,024	1/2"	Sony IMX990	5	GS	C	-	-	134	-
fxo993	3.1	2,048 × 1,536	8.9 mm	Sony IMX993	3.45	GS	C	-	173.4*	173.4*	-
fxo992	5.2	2,560 × 2,048	11.4 mm	Sony IMX992	3.45	GS	C	-	132*	132*	-

*also available with built-in thermoelectric cooler (TEC)