

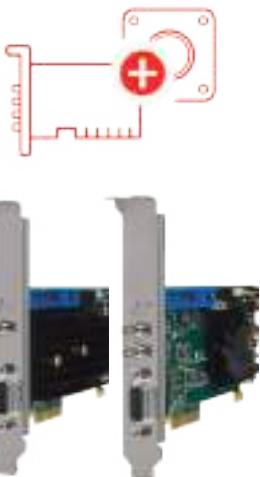
// ALLIED VISION PORTFOLIO

## Area Scan Vision Solutions

# All You Need for Vision – From One Source

## Camera + frame grabber set

Frame grabbers are specialized hardware devices designed to capture images from high-performance cameras and efficiently transfer them to a computer for processing. They are essential components in inspection systems, ensuring precise control and synchronization of image acquisition for both line-scan and area-scan applications while providing reliable image transfer with minimal latency and reduced host CPU load.



### Key features and benefits:

**Performance Optimization:** Frame grabbers deliver high-speed, synchronized image acquisition with reliable data transfer, making them indispensable in demanding machine vision applications.

**Digital I/O Integration:** Onboard digital inputs/outputs enable seamless interfacing with other inspection system components, including quadrature encoders, object detectors, and light strobes.

**Real-time Image Processing:** The dedicated hardware can process acquired images directly within the data stream, maintaining low system latency while significantly reducing the host CPU workload for inspection applications.

## Accessories

Allied Vision provides a carefully curated selection of machine vision accessories designed to deliver the highest precision and long-term reliability in industrial imaging. From robust cables and high-accuracy mounts to reliable trigger solutions, optical filters and I/O components, every accessory is selected, verified and recommended by our experts to ensure optimal performance in combination with our cameras.



Our engineers conduct extensive tests to evaluate image quality, electrical and mechanical compatibility, heat resistance, latency stability and long-term durability under demanding conditions. Based on these results, we recommend accessories that guarantee optimal image quality, streamline integration and reduce engineering effort, while ensuring dependable operation throughout the entire lifecycle of your system. This enables the development of robust and precise vision solutions — built with components you can trust.

## Lenses

A machine vision system depends on the right optics. That's why Allied Vision provides a selection of approved lenses designed to ensure the best possible performance of our cameras. Our portfolio includes compact S-mount lenses for space-saving applications and high-precision C-mount lenses optimized for

small pixel sizes and demanding imaging tasks. In addition, we offer selected lenses from qualified manufacturers to provide the ideal match for a wide range of sensor formats and use cases.

Every recommended lens undergoes extensive testing by our engineers to verify optical quality, matching resolution, distortion behavior, transmission, mechanical stability and reliable operation under industrial conditions. This allows us to approve only lenses that deliver sharp, consistent and repeatable results — ensuring predictable image quality from development to long-term use in your application.



By combining Allied Vision cameras with approved lenses, you can reduce integration effort, gain consistent imaging results and build reliable systems with confidence — engineered to earn your trust.

## Linescan- and POL-, UV-, SWIR- Cameras

Industrial applications often require more than standard vision. Whether it is measuring fast-moving materials, analyzing invisible wavelengths or detecting properties beyond color information, Allied Vision provides dedicated imaging solutions engineered for precision and reliability in demanding environments.

Our portfolio includes high-performance linescan cameras for continuous inspection of moving goods, as well as spectral and polarization-based technologies such as UV, SWIR and Polarized imaging. These specialized cameras enable insight that goes beyond the visible spectrum — capturing surface defects, material characteristics, contamination, structural stress, moisture levels or chemical variations that conventional imaging cannot detect.

Every solution is developed with a strong focus on industrial robustness, image quality and compatibility with machine vision ecosystems. Combined with approved accessories and optimized optics, Allied Vision empowers system integrators and manufacturers to build reliable inspection systems that reveal critical information — precisely where it matters.



# Features comparison

Visit our website at [www.alliedvision.com](http://www.alliedvision.com) and compare the cameras of your choice!

Image optimization features	Alvium				Goldeye			Alecs		EXO			FXO				HR			SHR		EoSens
	C/FP3/GM2/CSI-2	U	G1	G5	G1/G5	CL	Pro G5	GigE	GigE	USB	CL	10GigE	25GigE	100GigE	CXP	10GigE	CXP	CL	10GigE	CXP	CXP	
Defect pixel correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Fixed Pattern, Noise Correction (FPNC) / NUC	✓	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Region of interest (ROI)	✓	✓ <sup>(2)</sup>	✓ <sup>(2)</sup>	✓ <sup>(2)</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Binning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Auto gain	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Auto exposure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Auto white balance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lens shading correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Look-up tables (LUT)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Gamma correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hue, saturation, color correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reverse X/Y	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi ROI	—	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	
Camera control features																						
Bandwidth control	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flow Control	—	—	✓	✓	✓	—	—	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chunk data	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—	—	—	—	—
Sync out modes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trigger modes:	single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	bulk	—	—	—	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trigger Counters:	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trigger Timers:	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Serial Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Event channel	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
IEEE 1588 Precision Time Protocol (PTP)	—	—	✓	✓	✓	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Action commands	—	—	✓	✓	✓	—	—	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sequencer <sup>(1)</sup>	—	✓	✓	✓	✓	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Storable user sets	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Temperature monitoring	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Strobe Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
File Access Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Lens Control	—	✓	✓	✓	✓	—	—	—	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>(1)</sup>
Customer ID	—	—	—	—	—	—	—	—	—	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Readout Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—

(1) Selected models only, please contact our sales team for details

(2) multiple ROI (up to 4) selected models only

## // SOFTWARE PORTFOLIO

## Discover our software

## Vimba X

Vimba X stands for a new generation SDK. Fully GenICam compliant, it has been especially designed for best compatibility with the Alvium camera series and supports the latest Alvium feature set. It runs on Windows 10 and 11, Linux, and Linux ARM (all 64-bit). Vimba X contains APIs for Python, .NET, C++, and C. You can port your source code from Windows to Linux or cross-compile from a Linux PC to an embedded system. Vimba X supports all SVS-Vistek GigE and 10GigE cameras as well as the CXP-12 cameras. It also provides easy connectivity to Euresys Open eVision image processing libraries through a dedicated Vimba X software bridge, best compatibility with the Allied Vision portfolio. It runs on Windows 10 and Windows 11, Linux, and Linux ARM (all-64-bit), and MacOS (Apple Silicon). Vimba X provides lean yet high-performance APIs optimized for USB, GigE, Coaxpress, and CSI-2 cameras. It provides easy connectivity to Euresys Open eVision image processing libraries through a dedicated Vimba X software bridge. Vimba X includes dedicated tools for defect pixel management, camera calibration, bandwidth management, and a camera simulator.




You can download Vimba and Vimba X for free from our website: [www.alliedvision.com/en/products/software/](http://www.alliedvision.com/en/products/software/)

Software and drivers for embedded vision,  
open source projects

Visit [www.github.com/alliedvision](http://www.github.com/alliedvision) to discover our software, examples, and drivers for embedded vision and our open source projects:

- // Alvium CSI-2 camera driver for NVIDIA Jetson, Raspberry Pi 5, NXP i.MX 8M Plus, AMD Xilinx ZYNQ
- // V4L2 Viewer
- // Examples for Alvium CSI-2 cameras (V4L2)
- // gst-vimbascrc and gst-vmbsrc, plugins to access Vimba and Vimba X from GStreamer pipelines
- // Broad support for the Yocto project with various meta layers.



# Alvium Series

## // Alvium G1

The Alvium camera platform is the broadest machine vision camera platform on the market, spanning more than 30 image sensors ranging from the UV, visible, NIR, to SWIR spectrum with 6 interface options to choose from. Additionally, it offers a comprehensive feature set across all interfaces enabling easy switching from GigE to USB3 to CSI-2. It offers endless customization possibilities via its modular concept with board level versions, various connector and filter options, and further OEM personalization options.

## // Alvium G5

Alvium G5 offers an easy upgrade path for current vision systems with 1GigE. With its sugar cube form factor and support for Power over Ethernet (PoE), it can be a true drop-in replacement offering higher bandwidth with the convenient and comprehensive GigE Vision feature set including PTP and Action Commands.

## // Alvium U

The versatile Alvium U cameras of the 1800 U series offer highest bandwidths of up to 450MB/s in an unmatched form factor of 26x26mm in the Boardlevel version; perfect for deep system integration and OEM developments. With various connector options or a flex version with just a board to board connector or a high precision frame for highest optical accuracy, they provide maximum freedom of integration. All of this with the most comprehensive Sony sensor offering in the industry.

## // Alvium C

The MIPI CSI-2 Alvium camera gives embedded system developers access to Sony's high-performance image sensors.

[MP]	Sensor	Resolution [Pixel]	Format	Shutter	Mono/color/mono NIR/color NIR	Pixel Size [µm]	Camera model		Camera model		Camera model		Camera model		fps	
							G1-	G5-	1800 U	1800 C	FP3/GM2-	FP3/GM2-				
0.4	Sony IMX287 CMOS	728 x 544	1/2.9	GS	-/-/-/-	6.9 x 6.9	040	276	-	040	495	040	302	040	*	
0.5	ON Semi PYTHON 480 CMOS	808 x 608	1/3.6	GS	-/-/-/-	4.8 x 4.8	-	-	-	050	117	050	117	050	*	
0.5	Sony IMX426 CMOS	816 x 624	1/1.7	GS	-/-/-/-	9 x 9	-	-	052	464	050	691	052	499	052	*
1.2	ON Semi AR0135CS CMOS	1280 x 960	1/3	GS	-/-/-/-	3.75 x 3.75	-	-	-	120	52	120	52	120	*	
1.3	E2V EV76C560 CMOS	1280 x 1024	1/1.8	GS	-/-/-/-	5.3 x 5.3	131	59	-	131	59	-	-	-	-	
1.6	Sony IMX273 CMOS	1456 x 1088	1/2.9	GS	-/-/-/-	3.45 x 3.45	158	72	-	158	258	158	157	158	*	
1.9	E2V EV76C570 CMOS	1600 x 1200	1/1.8	GS	-/-/-/-	4.5 x 4.5	192	59	-	192	59	-	-	-	-	
2.0	Sony IMX422 CMOS	1632 x 1248	1/1.7	GS	-/-/-/-	4.5 x 4.5	-	-	203	225	203	200	203	156	-	
2.1	ON Semi AR0521SRHD CMOS	1928 x 1088	1/3.6	GS	-/-/-/-	2.2 x 2.2	-	-	-	-	-	-	210	-	*	
2.4	Sony IMX249 CMOS	1936 x 1216	1/1.2	GS	-/-/-/-	5.86 x 5.86	234	40	-	234	40	234	31	234	*	
	Sony IMX174 CMOS	1936 x 1216	1/1.2	GS	-/-/-/-	5.86 x 5.86	-	-	-	235	90	235	155	235	*	
2.4	Sony IMX392 CMOS	1936 x 1216	1/2.3	GS	-/-/-/-	3.45 x 3.45	240	49	240	192	240	178	240	128	240	
2.8	Sony IMX421 CMOS	1944 x 1472	2/3	GS	-/-/-/-	4.5 x 4.5	-	-	291	166	291	144	291	116	291	*
3.2	Sony IMX265 CMOS	2064 x 1544	1/1.8	GS	-/-/-/-	3.45 x 3.45	319	36	-	319	54	319	54	319	*	
5.0	ON Semi AR0521SR CMOS	2592 x 1944	1/2.5	RS	-/-/-/-	2.2 x 2.2	500	23	500	68	500	68	500	68	500	*
5.0	ON Semi AR0522 CMOS	2592 x 1944	1/2.5	RS	-/-/-/-	2.2 x 2.2	-	-	-	501	68	-	501	-	*	
5.1	Sony IMX264 CMOS	2464 x 2056	2/3	GS	-/-/-/-	3.45 x 3.45	507	23	-	507	34	507	34	507	*	
5.1	Sony IMX250 CMOS	2464 x 2056	2/3	GS	-/-/-/-	3.45 x 3.45	-	-	508	95	508	85	508	66	508	*
5.1	Sony IMX548 CMOS	2464 x 2064	1/1.8	GS	-/-/-/-	2.74 x 2.74	510	23	510	79	510	79	510	81	510	*
5.1	Sony IMX547 CMOS	2464 x 2064	1/1.8	GS	-/-/-/-	2.74 x 2.74	-	-	511	79	511	79	511	79	511	*
8.1	Sony IMX546 CMOS	2848 x 2848	2/3	GS	-/-/-/-	2.74 x 2.74	811	14	811	58	811	51	811	59	811	*
8.9	Sony IMX267 CMOS	4112 x 2176	1	GS	-/-/-/-	3.45 x 3.45	895	13	-	895	31	895	31	895	*	
12.4	Sony IMX304 CMOS	4112 x 3008	1.1	GS	-/-/-/-	3.45 x 3.45	1236	9	-	1236	23	1236	23	1236	*	
12.2	Sony IMX226 CMOS	4024 x 3036	1/1.7	RS, GS-Reset	-/-/-/-	1.85 x 1.85	1240	9	1240	35	1240	35	1240	41	1240	*
12.4	Sony IMX545 CMOS	4128 x 3008	1/1.1	GS	-/-/-/-	2.74 x 2.74	1242	9	1242	39	1242	34	1242	39	1242	*
16.2	Sony IMX542 CMOS	5328 x 3040	1.1	GS	-/-/-/-	2.74 x 2.74	1620	7	1620	30	1620	26	1620	30	1620	*
20.4	Sony IMX541 CMOS	4512 x 4512	1.1	GS	-/-/-/-	2.74 x 2.74	2040	5	2040	24	2040	21	2040	24	2040	*
20.2	Sony IMX183 CMOS	5496 x 3672	1	RS	-/-/-/-	2.4 x 2.4	2050	5	2050	21	2050	21	2050	25	2050	*
24.6	Sony IMX540 CMOS	5328 x 4608	1.2	Global	-/-/-/-	2.74 x 2.74	2460	4	2060	20	2060	17	2060	20	2060	*

\* fps depends on hardware and register settings

Series / Interface	Hardware options	Mounts	Dimensions L x W x H in mm
Alvium G1	Closed Housing, Board Level	C / CS / S	41 x 29 x 29 (Closed Housing)
Alvium G5	Closed Housing	C / CS / S	60 x 29 x 29 (Closed Housing)
Alvium U	Bareboard, open Housing, Flex, Frame	C / CS / S	38 x 29 x 29 (Closed Housing)
Alvium C	Bareboard, open Housing, Flex, Frame	C / CS / S	26 x 29 x 29 (Closed Housing)
Alvium FP3 / GMSL2	Closed Housing	C / CS / S	41 x 29 x 29 (Closed Housing)



# Alecs Series Open Smart Camera

## Key facts

- // High-resolution (5 and 12 MP) mono and color imaging
- // NVIDIA Jetson Orin processor
- // Feature-rich Alvium camera platform
- // Indicator lights on left and right side (multi color)
- // 2 Opto-In, 2 Opto-Out, 1 Strobe-Out, RS485-Out
- // IP67 ingress protection
- // M12 connectors for Ethernet and Power/IO
- // Separate M12 lighting connector to run external lights

## // Alecs

Alecs combines the feature-rich Alvium camera platform with the powerful NVIDIA® Jetson Orin™ NX 16GB System on Module (SoM) in a robust IP67 housing. With Alvium camera at its core, Alecs offers a wide range of integrated sensors and a comprehensive feature set for image processing. Compatible with the Open eVision Image analysis libraries from Euresys it has everything to process your image data on Alecs directly. The system is designed to provide enough computational power to develop and deploy sophisticated software and AI algorithms with ease.

[MP]	Sensor	Model	Resolution [Pixel]	Format	Shutter	Pixel Size [µm]	Mono/color/mono NIR/color NIR	fps
5	Sony IMX548 CMOS	Alecs LXB-G1-510m/c	2,464 x 2,064	Type 1/1.8	GS	2.74 x 2.74	-/-/-/-	81 <span style="color: red;">NEW</span>
12	Sony IMX545 CMOS	Alecs LXB-G1-1242m/c	4,128 x 3,008	Type 1/1.8	GS	2.74 x 2.74	-/-/-/-	40 <span style="color: red;">NEW</span>



# EXO Series

## Key facts

- // 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
- // 4 x Power Output (4-channel strobe controller)
- // Programmable sequencer for shutter and LED lights
- // SDK for Windows, Linux and macOS available



// EXO Camera
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# FXO Series



An excellent, low-noise image with high dynamic range is complemented by a comprehensive feature set. The Sony Pregius S sensors used are characterized by high light sensitivity and excellent homogeneity. Signal voltages, temperature resistance, I/O control, integrated strobe controller and firmware features are designed for applications in demanding industrial automation.

## // FXO CXP-12

The FXO CXP-12 stands for outstanding image quality. The fast CoaXPress-12 interface gives the camera outstanding properties in terms of trigger latency and constant data rate.

## // FXO 10GIGE

The fast 10GigE interface is an extremely economical interface and at the same time offers excellent conditions for use in larger networks. The large frame buffer and excellent packet resend ensure stable top transmission rates. Up to 100 m cable length is supported by the FXO's modern network technology.

## // FXO 25GigE / 100GigE

With the 25GigE and 100GigE version of the successful FXO series, SVS-Vistek now offers a powerful tool in this sector. By using SFP28 / QSFP28 optical transceivers, data transmissions over distances of up to 10,000 meters are possible, making it particularly suitable for extensive industrial sites. It integrates seamlessly into existing network structures, enabling companies to adapt the technology without massive hardware overhauls, resulting in cost efficiency. The FXO 25GigE / 100GigE also impresses with reliability and a robust, thermally highly optimized milled housing, which is essential for an uninterrupted and stable data flow.

[MP]	Sensor	Camera Model	Resolution [Pixel]	Format	Pixel Size [µm]	Shutter	Mount	max. Frame Rate [fps]		
								CXP-12	10GigE	25GigE / 100GigE*
1.8	Sony IMX425	fxo425	1,600 x 1,104	17.6 mm	9 x 9	GS	C	662*	-	671
2.8	Sony IMX421	fxo421	1,936 x 1,472	11 mm	4.5 x 4.5	GS	C	413.5*	-	-
5	Sony IMX537	fxo537	2,448 x 2,048	8.8	2.74 x 2.74	GS	C	262*	-	262
5	Sony IMX547	fxo547	2,448 x 2,048	1/1.8	2.74 x 2.74	GS	C	124.3	124	-
7.1	Sony IMX420	fxo420	3,216 x 2,208	17.6 mm	4.5 x 4.5	GS	C	207*	-	-
8	Sony IMX546	fxo546	2,840 x 2,840	11.1 mm	2.74 x 2.74	GS	C	88	88	-
8.1	Sony IMX536	fxo536	2,848 x 2,848	11.1	2.74 x 2.74	GS	C	195*	-	195
12.3	Sony IMX535	fxo535	4,096 x 3,008	14	2.74 x 2.74	GS	C	182.5*	-	182.5
12.3	Sony IMX545	fxo545	4,096 x 3,000	1/1.1	2.74 x 2.74	GS	C	61	61	-
12.3	Sony IMX926	fxo926	4,096 x 3,000	1/1.1	2.74 x 2.74	GS	C	-	-	661* PREL
12.4	Sony IMX902	fxo902	6,048 x 2,048	17.5 mm	2.74 x 2.74	GS	C	135.4*	98.1	-
16.1	Sony IMX542	fxo542	5,320 x 3,032	16.8 mm	2.74 x 2.74	GS	C	45.6	45.6	-
16.2	Sony IMX532	fxo532	5,328 x 3,040	16.8 mm	2.74 x 2.74	GS	C	144*	-	144
16.4	Sony IMX901	fxo901	8,016 x 2,048	22.7 mm	2.74 x 2.74	GS	C	135.4*	73.6	- NEW
20.2	Sony IMX541	fxo541	4,480 x 4,504	17.5 mm	2.74 x 2.74	GS	C	33.1	35.7	-
20.4	Sony IMX531	fxo531	4,512 x 4,512	17.5 mm	2.74 x 2.74	GS	C	109.5*	-	109.5
24.4	Sony IMX540	fxo540	5,312 x 4,600	19.3 mm	2.74 x 2.74	GS	C	30.4	30.4	-
24.5	Sony IMX925	fxo925	53,12 x 4,608 px	19.27 mm	2.74 x 2.74	GS	C	-	-	442* PREL
24.6	Sony IMX530	fxo530	5,328 x 4,608	19.3 mm	2.74 x 2.74	GS	C	97.6*	-	97.6

\* CoaXPress12 with 2 connections

Camera available in Camera + Grabber Bundle

# HR Series

Highest resolutions at high frame rates for industrial cameras is the core area of the HR series. The HR series impresses with a wide range of features:

## // HR CXP-12

This Camera was developed to cope with the increasing bandwidths of new sensor generations. Up to 6.25 GBit/s or 12.5 GBit/s can be transmitted per line. It supplies CXP cameras with full CXP-6 or CXP-12 lines and thus provides a data bandwidth of 15 GBit/s or 50 GBit/s. It is equipped with modern fast and high-resolution CMOS sensors.

## // HR 10GIGE

The 10GigE interface is the easiest way to transmit uncompromised images at higher speeds than standard GigE on a reliable and flexible infrastructure. The HR with 10GigE utilizes the maximum interface bandwidth with its high-resolution CMOS sensors.

## // HR TEC

Now also available as a "T" option: 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.

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

Camera available in Camera+Grabber Bundle



## Key facts

- // State-of-the-art interfaces 10GigE, 25GigE, 100GigE and CoaXPress-12 with PoE or PoCXP
- // 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



With the 25GigE and 100GigE version of the successful FXO series, SVS-Vistek now offers a powerful tool in this sector. By using SFP28 / QSFP28 optical transceivers, data transmissions over distances of up to 10,000 meters are possible, making it particularly suitable for extensive industrial sites. It integrates seamlessly into existing network structures, enabling companies to adapt the technology without massive hardware overhauls, resulting in cost efficiency. The FXO 25GigE / 100GigE also impresses with reliability and a robust, thermally highly optimized milled housing, which is essential for an uninterrupted and stable data flow.

[MP]	Sensor	Camera Model	Resolution [Pixel]	Format	Pixel Size [µm]	Shutter	Mount	max. Frame Rate [fps]		
								CXP-12	10GigE	25GigE / 100GigE*
1.8	Sony IMX425	fxo425	1,600 x 1,104	17.6 mm	9 x 9	GS	C	662*	-	671
2.8	Sony IMX421	fxo421	1,936 x 1,472	11 mm	4.5 x 4.5	GS	C	413.5*	-	-
5	Sony IMX537	fxo537	2,448 x 2,048	8.8	2.74 x 2.74	GS	C	262*	-	262
5	Sony IMX547	fxo547	2,448 x 2,048	1/1.8	2.74 x 2.74	GS	C	124.3	124	-
7.1	Sony IMX420	fxo420	3,216 x 2,208	17.6 mm	4.5 x 4.5	GS	C	207*	-	-
8	Sony IMX546	fxo546	2,840 x 2,840	11.1 mm	2.74 x 2.74	GS	C	88	88	-
8.1	Sony IMX536	fxo536	2,848 x 2,848	11.1	2.74 x 2.74	GS	C	195*	-	195
12.3	Sony IMX535	fxo535	4,096 x 3,008	14	2.74 x 2.74	GS	C	182.5*	-	182.5
12.3	Sony IMX545	fxo545	4,096 x 3,000	1/1.1	2.74 x 2.74	GS	C	61	61	-
12.3	Sony IMX926	fxo926	4,096 x 3,000	1/1.1	2.74 x 2.74	GS	C	-	-	661* PREL



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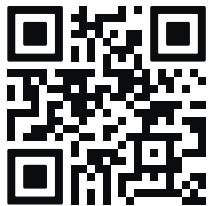
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