Go-X
Series

Prices start at €289

6 YEAR WARRANTY

Small, affordable industrial area scan cameras. Designed for the next generation of vision systems.

JAI ®

Go-X Series - The "no compromises" choice for
your next vision system

At last, there's a series of compact industrial area scan cameras that offer the performance, affordability, and reliability you need to create machine vision systems that stand out in a highly competitive market.

These are cameras that feature the most popular CMOS sensors at some of the lowest prices in the industry. Cameras carefully screened to ensure dust-free optical paths on all models. Cameras with a size and weight to fit a wide range of systems and applications. And most importantly, cameras built with industrial grade shock, vibration, and thermal management to virtually eliminate field failures.

The Go-X Series delivers all this and more.

Explore the
Go-X Series

Cameras built for non-stop operation – 24/7/365

Go-X Series cameras are built using JAI's proven manufacturing process that has delivered field failure rates of less than two cameras per thousand over the last five years. They're designed to withstand the shock, vibration, and thermal demands of typical industrial environments so they can keep critical inspection systems running - day and night, all year round.
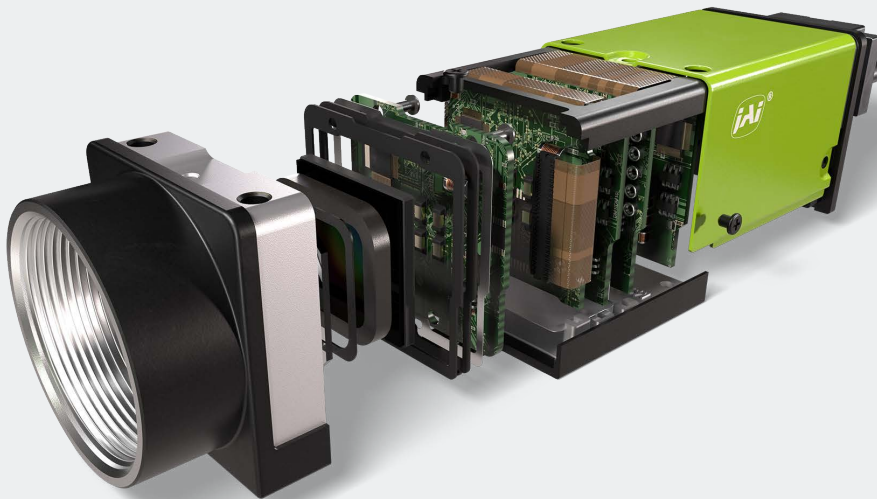
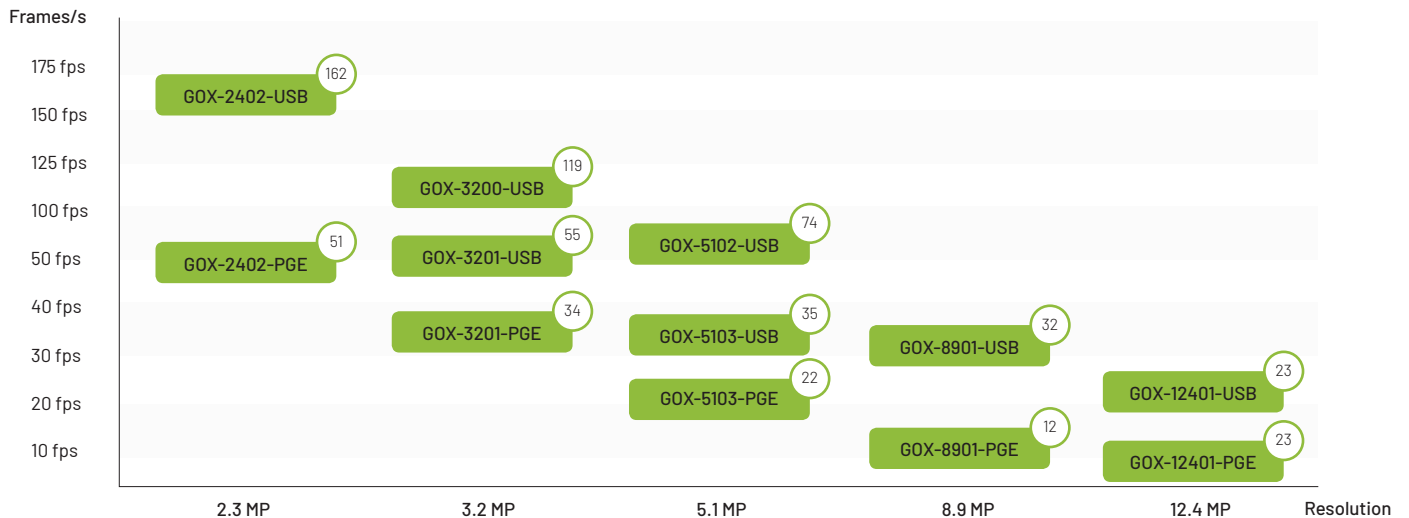| 80G	10G	MTBF
Shock	Vibration	>200k hours

Dust seals on all models for supreme image quality

The Go-X Series applies dust prevention measures to every model, including cleanroom assembly, internal seals around the sensor compartment, and a rigorous screening process to ensure every camera shipped delivers the best possible image quality via a clean, dust-free optical path.

High quality Sony Pregius sensors in a choice of resolutions and frame rates

The Go-X Series features the most popular Sony Pregius CMOS image sensors, including monochrome and Bayer color, with resolutions from 2.3 to 12.4 megapixels and frame rates up to 162 fps, so you can choose the right resolution, performance, and price point for your application.

Frames/s

|	2.3 MP	3.2 MP	5.1 MP	8.9 MP	12.4 MP
175 fps	GOX-2402-USB (162)				
150 fps					
125 fps		GOX-3200-USB (119)			
100 fps					
50 fps	GOX-2402-PGE (51)	GOX-3201-USB (55)	GOX-5102-USB (74)		
40 fps		GOX-3201-PGE (34)	GOX-5103-USB (35)	GOX-8901-USB (32)	GOX-12401-USB (23)
30 fps					
20 fps			GOX-5103-PGE (22)		
10 fps				GOX-8901-PGE (12)	GOX-12401-PGE (23)

Resolution

Features to support sophisticated vision systems

With a robust set of capabilities like ROI, image flipping and mirroring, 8/10/12-bit output, blemish compensation and shading correction – plus, advanced features like two different sequencer modes and an intelligent auto-exposure function – Go-X Series cameras give you exactly what you need for your next generation vision system.

The industry's longest camera warranty

All Go-X Series cameras are backed by a full 6-year warranty, the longest warranty offered by any camera manufacturer.

6 YEARS
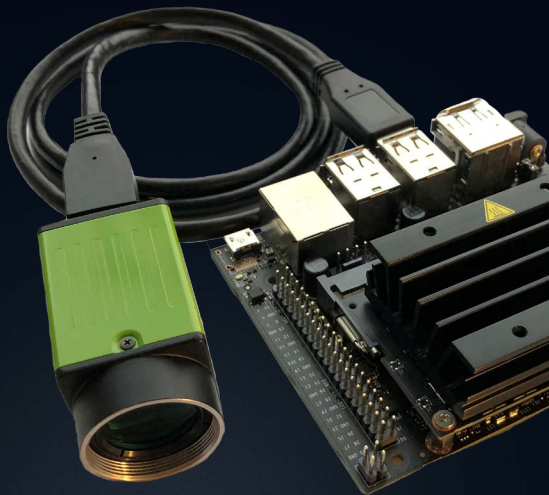
Software tools for easy integration

A free SDK supports Windows, Linux, and Linux for ARM embedded system development and is compatible with the JAI Developer Suite, a high-level API that streamlines code writing and provides easy integration with the OpenCV computer vision software library.

21 mm 20 mm 12 mm

A size and weight that fits

With their compact size and weighing only 62 grams, Go-X Series cameras mount easily on robotic arms, UAVs, and any other machine vision systems where motion or portability are vital. Three sets of mounting holes are designed to fit most existing installations with no re-tooling required.

Cost-efficient, industry-standard interfaces

The Go-X Series offers GigE Vision or USB3 Vision interfaces, supporting power-over-the interface for clean, simple, and standard connections with no frame grabbers required.

GigE VISION

USB3 VISION

Find the right Go-X Series model for your machine vision application

All models have C-mount lens mounts and can be powered over the interface (PoE/PoUSB) or by an external power supply via the 6-pin Hirose connector.

Model	Resolution	Frame rate (fps)	Optical format	Cell size (µm)	Data output	Sensor	Interface
GOX-12401-USB	12.4 MP (4096 x 3000)	23	1.1"CMOS	3.45 x 3.45	8/10/12-bit	IMX304	USB3 Vision
GOX-12401-PGE	12.4 MP (4096 x 3000)	9	1.1"CMOS	3.45 x 3.45	8/10/12-bit	IMX304	GigE Vision
GOX-8901-USB	8.9 MP (4096 x 2160)	32	1" CMOS	3.45 x 3.45	8/10/12-bit	IMX267	USB3 Vision
GOX-8901-PGE	8.9 MP (4096 x 2160)	12	1"CMOS	3.45 x 3.45	8/10/12-bit	IMX267	GigE Vision
GOX-5102-USB	5.01 MP (2448 x2048)	74	2/3"CMOS	3.45 x 3.45	8/10/12-bit	IMX250	USB3 Vision
GOX-5103-USB	5.01 MP (2448 x2048	35	2/3"CMOS	3.45 x 3.45	8/10/12-bit	IMX264	USB3 Vision
GOX-5103-PGE	5.01 MP (2448 x2048)	22	2/3"CMOS	3.45 x 3.45	8/10/12-bit	IMX264	GigE Vision
GOX-3200-USB	3.2 MP (2048 x 1536)	119	1/1.8"CMOS	3.45 x 3.45	8/10/12-bit	IMX252	USB3 Vision
GOX-3201-USB	3.2 MP (2048 x 1536)	55	1/1.8"CMOS	3.45 x 3.45	8/10/12-bit	IMX265	USB3 Vision
GOX-3201-PGE	3.2 MP (2048 x 1536)	34	1/1.8"CMOS	3.45 x 3.45	8/10/12-bit	IMX265	GigE Vision
GOX-2402-USB	2.3 MP (1920 x 1200	162	1/2.3"CMOS	3.45 x 3.45	8/10/12-bit	IMX392	USB3 Vision
GOX-2402-PGE	2.3 MP (1920 x 1200)	51	1/2.3"CMOS	3.45 x 3.45	8/10/12-bit	IMX392	GigE Vision

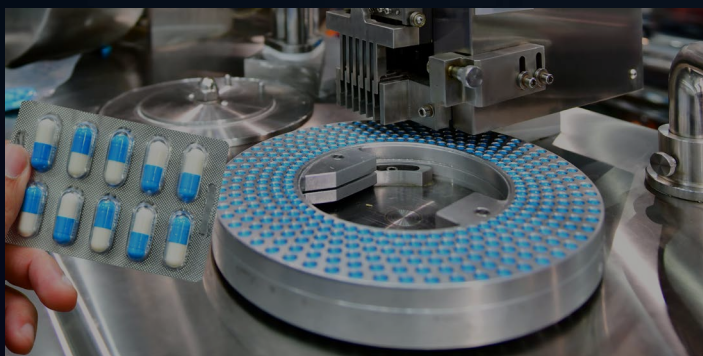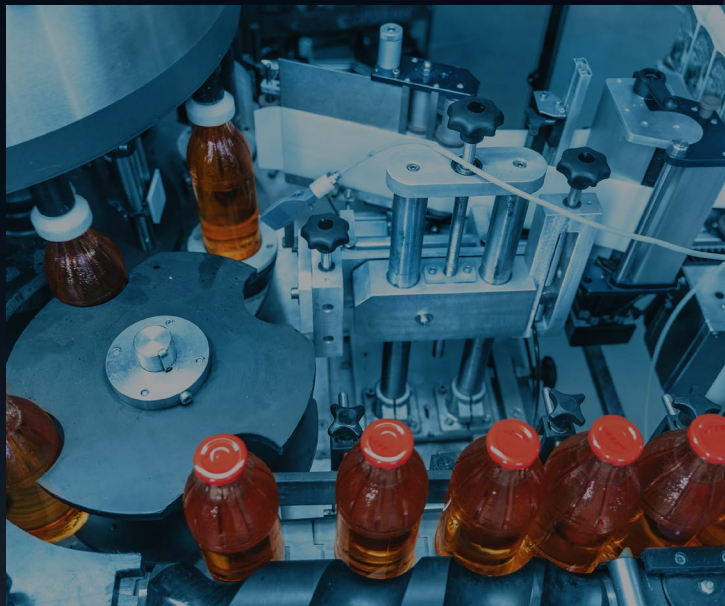# Go-X Series cameras are perfect for a **wide range of applications**

Food & Beverage

Automation & Automotive

Electronics

Medical Devices
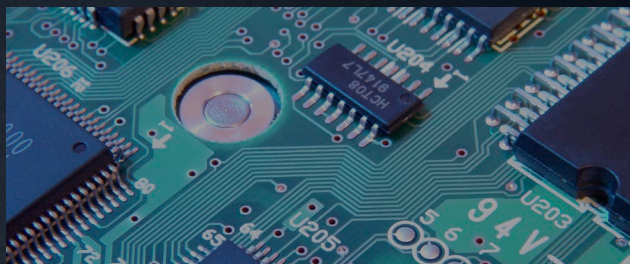
Packaging, Logistics & Robotics

Pharmaceuticals

See the possibilities

See the possibilities