

INNOVATIVE INDUSTRIAL CAMERA SOLUTIONS

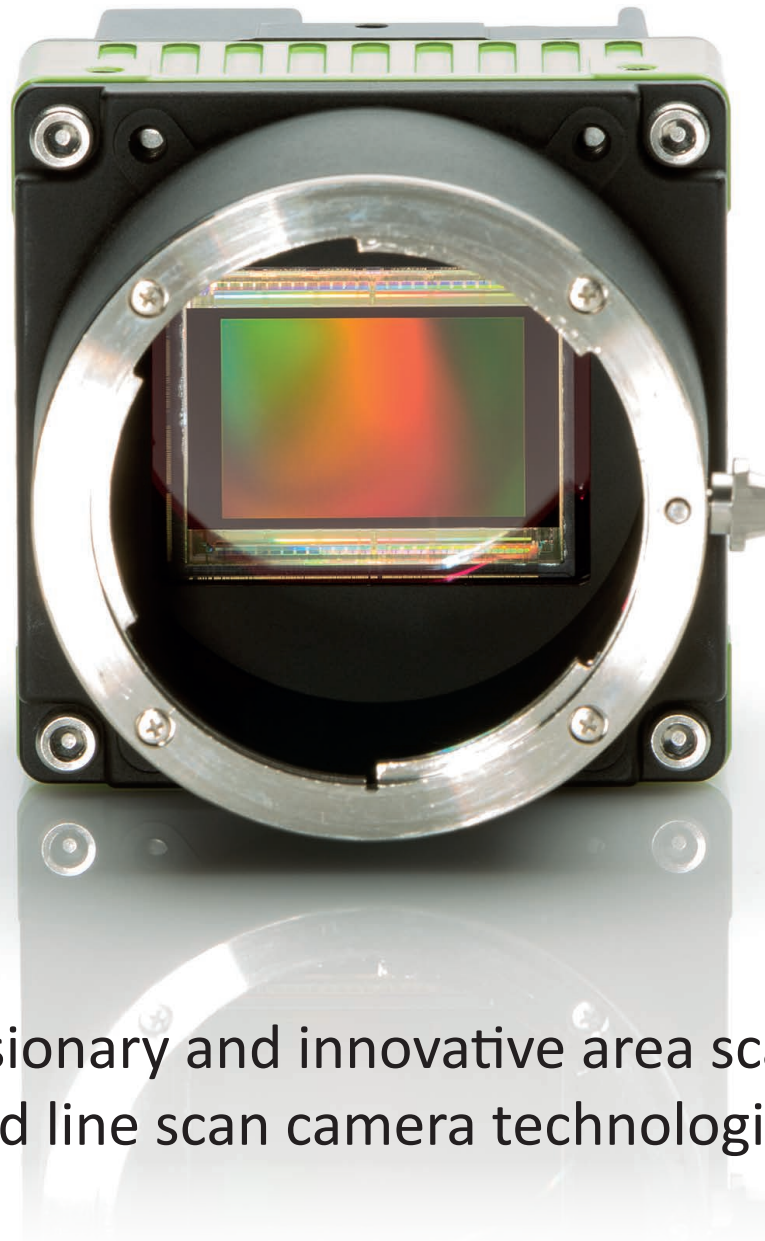


Company Profile



See the possibilities...

...and sharpen your
competitive edge



Visionary and innovative area scan and line scan camera technologies

For over 60 years, JAI has been a trusted partner in the vision industry, dedicated to delivering high-quality imaging and video solutions to a diverse range of customers.

Over the years, we have continuously strengthened our expertise, focusing exclusively on developing and manufacturing industrial cameras for specialized applications in machine vision, traffic imaging, and life sciences—nothing more, nothing less.

Our aim is to provide the best industrial camera technologies in our chosen fields, ensuring maximum value for you as a vision system designer.

Every day, we see new possibilities to sharpen your competitive edge through cutting-edge industrial camera

technology. By combining our expertise, experience, and innovative solutions with your creative vision, we help improve critical imaging applications.

Seizing these opportunities requires foresight and an open mind—challenging conventional thinking, exploring problems from fresh perspectives, and embracing new possibilities.

This forward-thinking mindset, paired with our commitment to excellence, has always been the foundation of our business. It fuels the innovation of superior industrial camera technology needed to exceed your expectations and give your vision systems a true competitive advantage.



Capturing your imaging needs

No matter what industry you serve you must be reliable and deliver results. That calls for a camera supplier with a long, proven track record for delivering state-of-the-art technology.

...That's JAI

Our camera solutions are globally recognized for their innovative engineering, premium quality, and long-lasting operational reliability and durability.

From the installation of our very first solution, we have been at the forefront of vision technology, continually pushing boundaries and driving advancements.

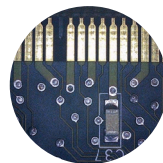
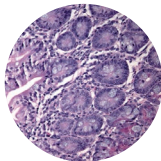
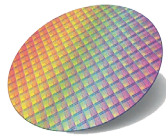
Designed to perform in the most demanding environments, our industrial cameras and accessories excel in high-speed

factory automation environments, as well as applications in life sciences, outdoor surveillance, traffic monitoring, aerospace, and scientific research.

Today, JAI cameras operate in industries and applications worldwide, where vision technology is a critical component of production processes, products, and services.

Keeping you focused

Your business is to deliver perfect vision systems with perfect quality and perfect output. Our business is helping you to achieve that perfection.



Every day, over one million JAI cameras are actively providing customers across the globe with high quality images to fulfill their specific vision needs in multiple industries and applications.

Your customers benefit - and so do you

JAI cameras operate daily across a vast range of applications, empowering you to develop advanced vision systems that make a real impact across industries - from pharmaceuticals to automotive, food processing to waste management, and microscopy to security surveillance, to name just a few.

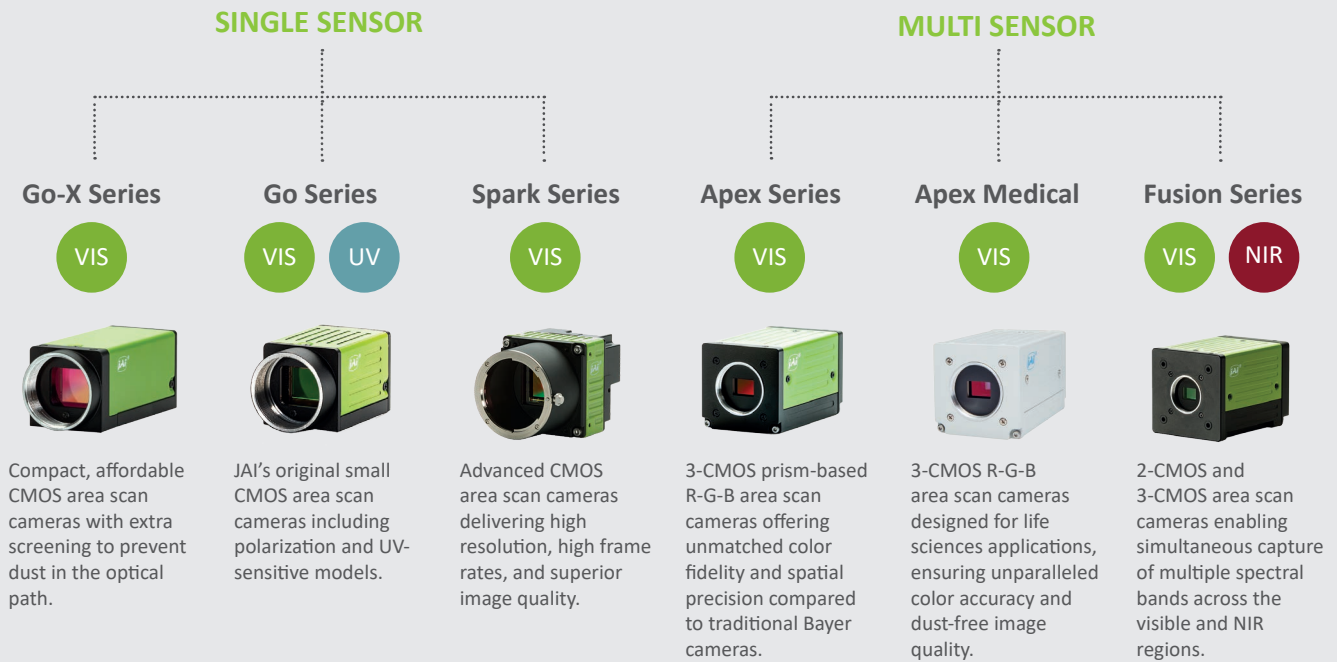
on what's important

With industry-leading image fidelity, robust feature sets, rigorous shock and vibration testing, thermal management, and precise alignment tolerances, JAI cameras provide a top-notch foundation for your vision systems.

And when unique requirements arise, JAI offers custom design solutions to address specific needs or capture particular wavelengths within the light spectrum.

By integrating our technology with yours, JAI's machine vision cameras help you build automated vision systems that stand out in a competitive market. Your customers gain increased productivity, reduced inspection costs, and fewer product defects—while you enjoy greater market share, fewer repairs, and more satisfied customers.

Area Scan Cameras



Our range covers

Welcome to the JAI Family.

JAI offers a comprehensive range of single-sensor area scan and line scan cameras designed for diverse imaging tasks. And when a single-sensor camera isn't enough, we provide the industry's largest selection of multi-sensor, prism-based cameras for the most demanding machine vision applications.

In addition to our full lineup of color and monochrome cameras for visible light applications, we also offer specialized cameras that extend beyond the visible spectrum, including ultraviolet (UV), near-infrared (NIR), and short-wave infrared (SWIR) imaging solutions.

Line Scan Cameras

SINGLE SENSOR

Sweep Series

VIS



Trilinear, bilinear, and monochrome cameras featuring fast scan rates and exceptional image quality.

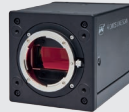
MULTI SENSOR

Sweep+ Series

VIS

NIR

SWIR



High performance prism-based color line scan cameras combining R-G-B color precision with near-infrared (NIR) or short-wave infrared (SWIR) imaging.

Wave Series

SWIR



Line scan cameras with two InGaAs sensors making them capable of delivering dual-band imaging in the short-wave infrared (SWIR) light spectrum.

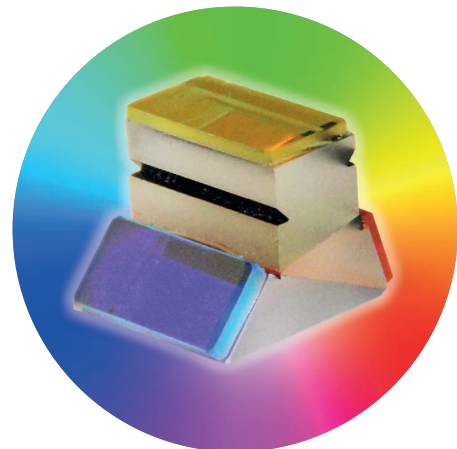
every angle

Customizing the light... your way

At JAI, we are continuously challenged by customers with cutting-edge vision needs and specialized functionality requests. For our engineering team, every challenge is met with an open mind - an opportunity to explore new frontiers.

With in-house prism design and robotized alignment procedures, JAI maintains full control over the prism assembly process, as well as the precise “tuning” of light band filter characteristics using specialized prism coatings.

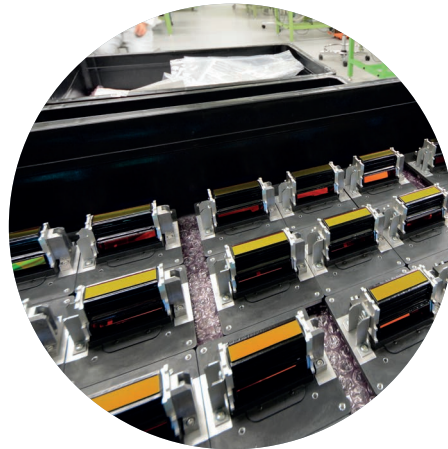
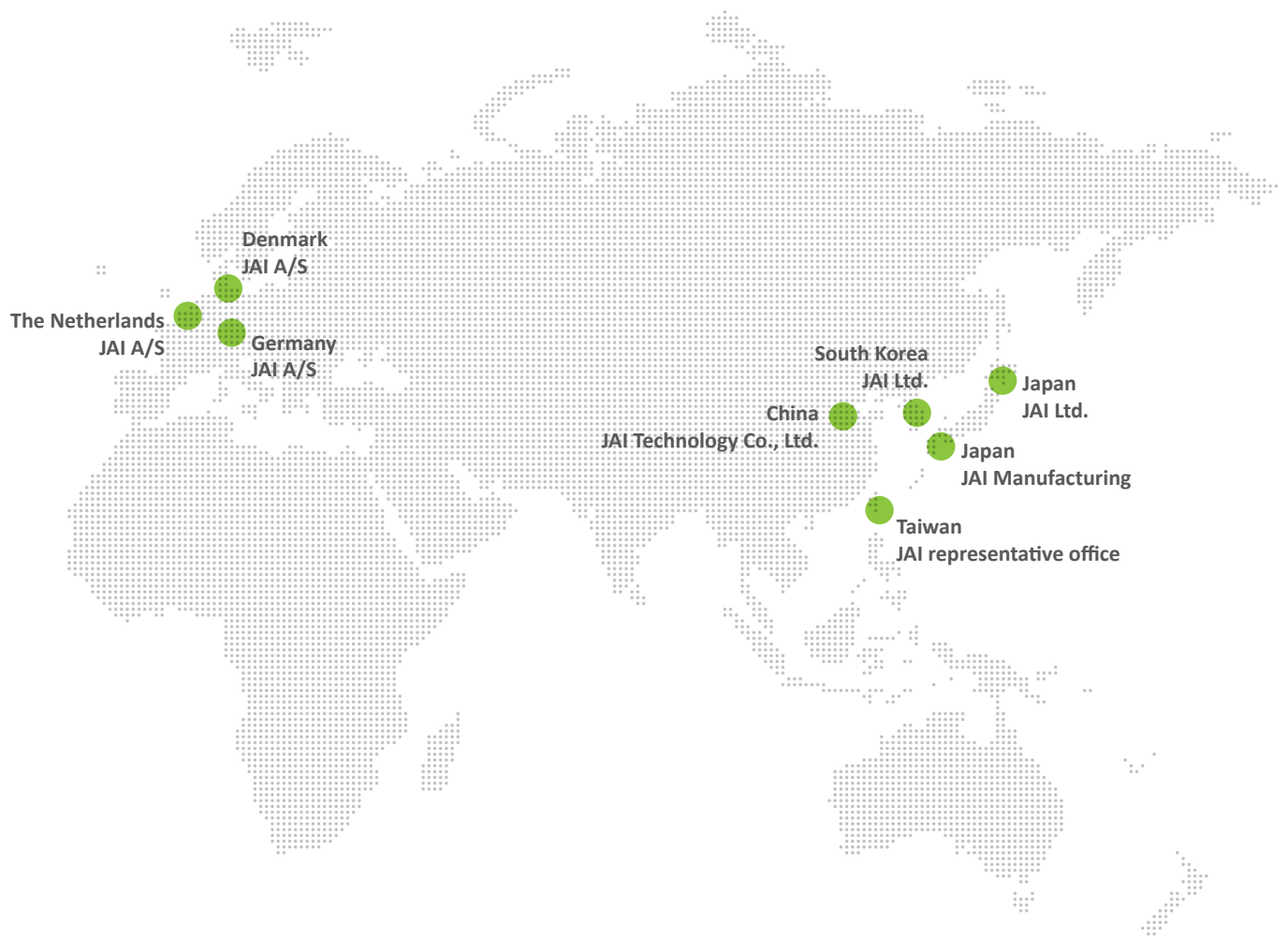
So, if you need your inspection system to focus on specific light bands or require other technical adjustments to our standard cameras, JAI offers cost-effective customizations to meet the unique demands of your vision application.





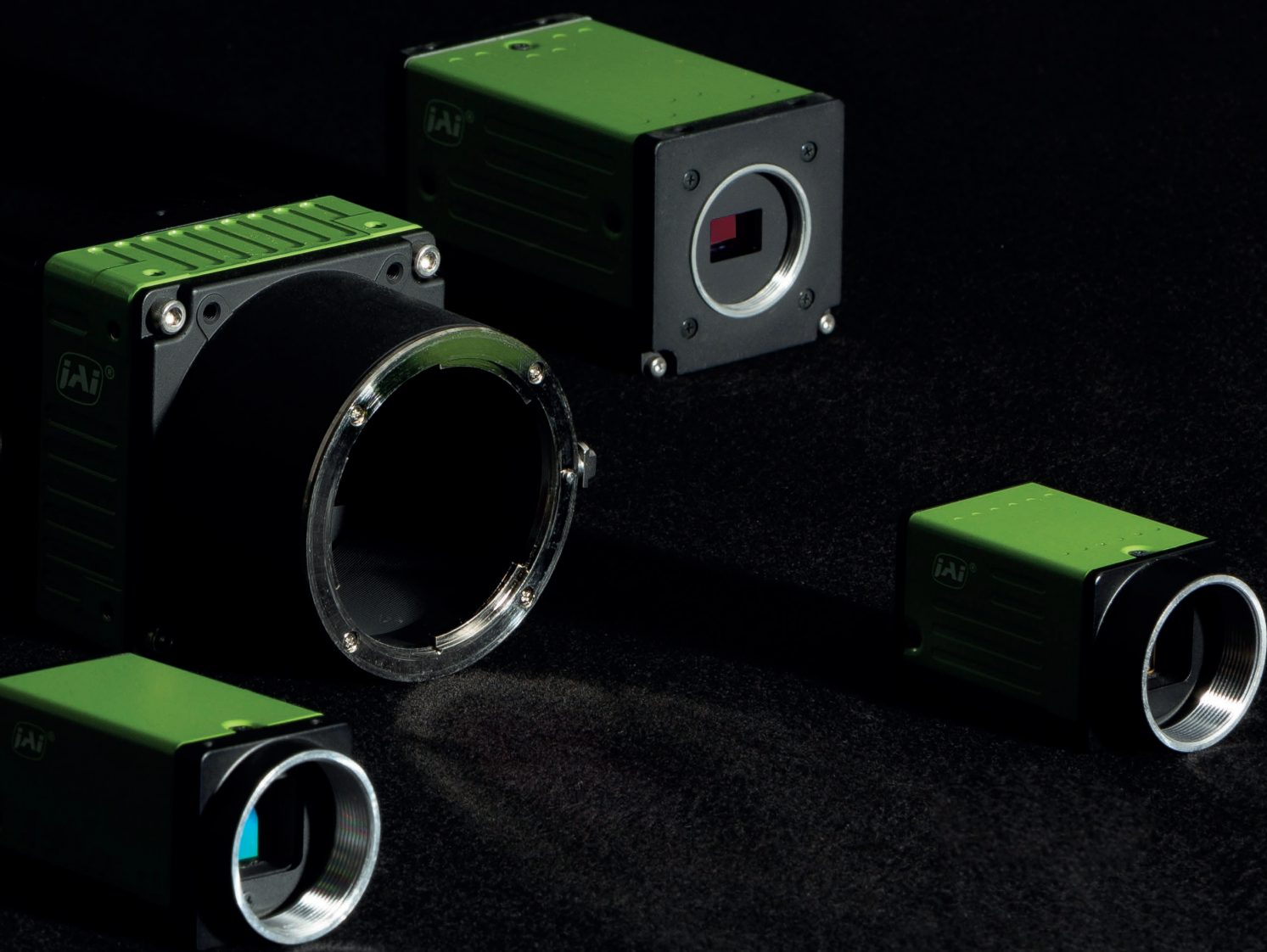
Being global through a local lens

We are truly global, but at the same time, truly local. Both your needs and your demands are met with a combination of global expertise and local support and knowhow.



Global support organization

JAI's global presence spans the Americas, EMEA, and APAC, complemented by a strong network of professional distributors in over 35 additional countries. In other words, we are wherever you are—sourcing ideas, innovations, and industry trends from around the world and channeling them into solutions that meet your imaging requirements.



Supreme image fidelity with both outstanding reliability and durability are what every JAI camera solution delivers to you. Everywhere. Every time. Every day.

We could go on for hours about quality. But you get the picture.

JAI is renowned for delivering high quality camera technologies with trouble free operation for low cost of ownership, and of course, an easy-to-install solution that focuses on your ROI from day one.

It is through our proven technology, high reliability, long durability and consistency that JAI has built its reputation in the vision market. Our solutions are applied in all kinds of critical processes where production yield, product quality, and even lives can depend on a single camera.

Before they're delivered to you, JAI cameras undergo a very strict testing regimen and quality control process - to ensure they live up to the highest JAI standards, including:

- ✓ Superior image fidelity
- ✓ Special coatings on prism cameras
- ✓ Shock and vibration testing for rugged environments
- ✓ Extended temperature testing – from -45°C to +70°C in some models
- ✓ Precise sensor alignment
- ✓ ISO-9001:2015 & ISO-14001:2015 standards
- ✓ Measurement according to international standards such as EMVA 1288



A reliable partner and a safe choice

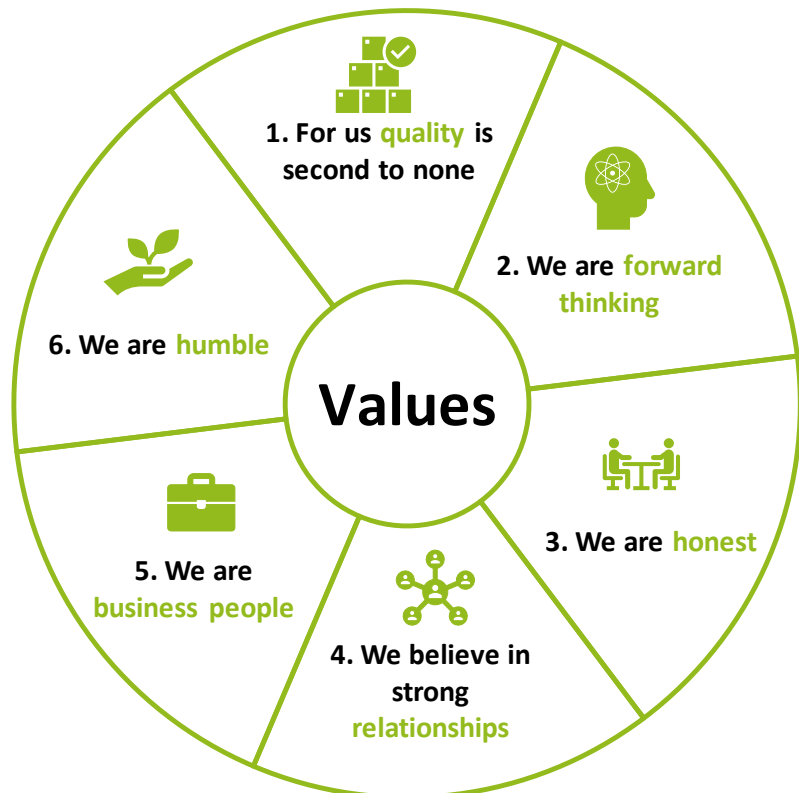
With decades of success in the industry, JAI has built a strong financial foundation, ensuring stability and reliability. This means you can always count on a steady supply of not only our standard camera solutions, but also custom-designed cameras tailored to your specific needs.

JAI values

Our values define who we are and guide everything we do—both within our organization and in our relationships with the world.

With a commitment to genuine *innovation* and *forward thinking*, we strive to deliver unparalleled *quality*. By fostering *strong relationships*, we continuously learn, improve, and become *true business partners* to our clients.

Above all, we approach every collaboration with *humility and honesty*, believing that transparency and trust are key to *understanding your business* and delivering the best solutions.





JAI develops and manufactures innovative CMOS cameras sensitive to visible, near-infrared, short-wave infrared and ultraviolet light, supporting our customers with superior quality images for industrial, traffic, and life sciences vision applications worldwide.

The result is improved quality and safety of consumer products, better manufacturing efficiency, safer roads and smoother traffic just to mention a few of the many advantages that camera technology from JAI is helping to support - all for a more enriched life of human beings.



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See the possibilities