

## **No-Code, Consistent AI Implementation and Evaluation is Now Enabled with i-PRO's Modular Camera with Functional Linkage with AI inside's "Learning Center Vision"**

**Tokyo, JAPAN** (December 14, 2022) – i-PRO Co., Ltd. is pleased to announce that no-code, consistent AI implementation and evaluation is now enabled with i-PRO's modular cameras, by installing "Learning Center Connect for i-PRO", a function-enhancing software for i-PRO's modular cameras, developed by AI inside Inc., and by functionally linking with AI inside's "Learning Center Vision", a no-code AI development and operation tool. They are only sold and available domestically in Japan.



"Learning Center Connect for i-PRO" is a function enhancement software that runs on a modular camera and supports the open environment of i-PRO camera application platform, developed by AI inside, one of i-PRO camera application partner. By connecting this modular camera with this application over network, a PC to operate the camera, and "Learning Center Vision", a cloud-based no-code AI development and operation tool provided by AI inside, an easy implementation and evaluation of AI onsite without writing code are now available.

This "Learning Center Connect for i-PRO" can automatically send images captured by the modular camera to "Learning Center Vision" for learning. This system significantly reduces the time required for manual pre-collection and uploading of learning data, and reduces the need to develop and build a new system for evaluation by regularly using "Learning Center Vision" to infer from the images captured at the site.

Like a BTO (Built To Order) PC, the modular camera for this application allows the user to choose from a wide range of options, such as the shape of the imaging unit, angle of view, focal length, and communication method, to be combined by the user. In other words, it is possible to create the most suitable camera for various usage scenarios that vary from user to user. By utilizing the modular camera and "Learning Center Connect for i-PRO" and linking it with "Learning Center Vision", which enables easy on-site implementation and evaluation of AI, it is possible to conduct PoC (Proof of Concept) trials of various AI-based image analysis ideas easily and at minimal cost.

We, i-PRO, together with our various partners, will continue to contribute to the realization of a society where people can enjoy themselves with a smile through sensing technologies such as modular cameras.

### **Assumed Use Cases**

#### Manufacturing: Automated Visual Inspection

For companies that own their own production facilities and manufacture parts and products, visual inspection is an important part of the production process to check for foreign matter, dirt, scratches, and defects on the surface of manufactured products to ensure quality. In most cases, inspectors check visually, which poses a number of challenges, such as ambiguity in judgment criteria depending on inspectors' skills, resulting in variations in quality; difficulty in overlooking errors because it is difficult for a person to continuously perform inspections for a long time; and difficulty in flexibly adjusting inspectors according to production volume. There are many issues to be addressed.

By using i-PRO's modular camera and AI inside's "Learning Center Vision", i-PRO can help ensure quality by standardizing judgment criteria, improve yield by reducing the number of overlooked error products, and increase the efficiency of inspection work.

#### Restaurants: Detecting conditions that lead to improved turnover, higher unit prices, and fewer complaints

The restaurant industry is suffering from a labor shortage, and there is a need for a high level of equalization of the work of waiters and other workers. On the other hand, waiters have to be flexible and take on multiple tasks depending on the customer's situation, which requires a lot of time for tasks such as checking the status of customers, and also leads to overlooked tasks.

Using i-PRO's modular camera and AI inside's "Learning Center Vision", an AI model is created to detect empty plates and cups from the camera image, and by detecting the table status, visual checks are no longer required, which improves the turnover rate and prevents oversights. In addition, the AI model can prevent the need for visual checks, and can also monitor the status of each table in real time. In addition, the data of each table will contribute to advanced on-site management by utilizing the data.

### About AI inside Inc.

With the mission of "To bring AI to every being in the world and contribute to a richer future society", AI inside has developed various solutions such as "Learning Center", a platform for developing and operating image recognition and predictive AI with no code, "AI Growth Program", a practical DX human resource development program, "DX Suite", which converts all kinds of information into digital data with high accuracy, "AI inside Cube", an edge computer for highly efficient AI operations, and "Developer's API", a set of AI and intelligence APIs. Through the provision of these AI platforms, AI inside aims to realize a society in which AI is spread to every corner of the world by encouraging the distributed creation of a wide variety of valuable AI and its sharing among users.

### AI inside Inc. Company Info

CEO	Taku Toguchi Representative Director, President & CEO, (Concurrently) CPO
Location	Shibuya Dai-ichiseimei Bldg. 4F, 3-8-12 Shibuya Shibuya-ku, Tokyo, 150-0002, Japan
Founded	August 3, 2015
Business details	Development and provision of artificial intelligence and related information services
URL	<a href="https://inside.ai">https://inside.ai</a>

### About "Learning Center Vision" by AI inside Inc.

It is a no-code AI development and operation platform that enables all types of companies and organizations to self-manufacture AI applications for business transformation at low cost and in a short period of time. With an intuitive and easy-to-use Japanese UI, highly accurate AI models are automatically generated with simple input and clicks, without the need for programming, enabling low-cost and quick AI implementation and operation by the company or department, without hiring AI vendors or developers. "Learning Center Vision" Product website (JP only): <https://learning-center.inside.ai/>

### **About i-PRO**

i-PRO is a global leader of advanced sensing technologies in the fields of Intelligent Surveillance, Public Safety, and Industrial/Medical Imaging. Established in 2019, i-PRO was built on a legacy of over 60 years of innovation with Panasonic.

The company's products, software and services extend human senses to capture moments of truth with innovations that inform and protect. In order to help create a safer world, i-PRO supports the work of professionals who protect and save lives.

### **About i-PRO Modular Camera**

i-PRO's industry-leading security cameras and other camera technologies have been modularized into a form smaller than a business card that can be incorporated and installed in a variety of devices and systems.

The modular camera is an open platform that can be equipped with and operated by software developed to expand its functions, and a BTO system that allows users to select the shape of the imaging unit, angle of view, focal length, communication method, etc., making it suitable for use in a wide variety of scenarios.

“Modular Camera” Product website (JP only): <https://moduca.i-pro.com/>

### **For inquiries regarding this matter, please contact**

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