

FlexWATCH®: The Foundation of AI Camera Development

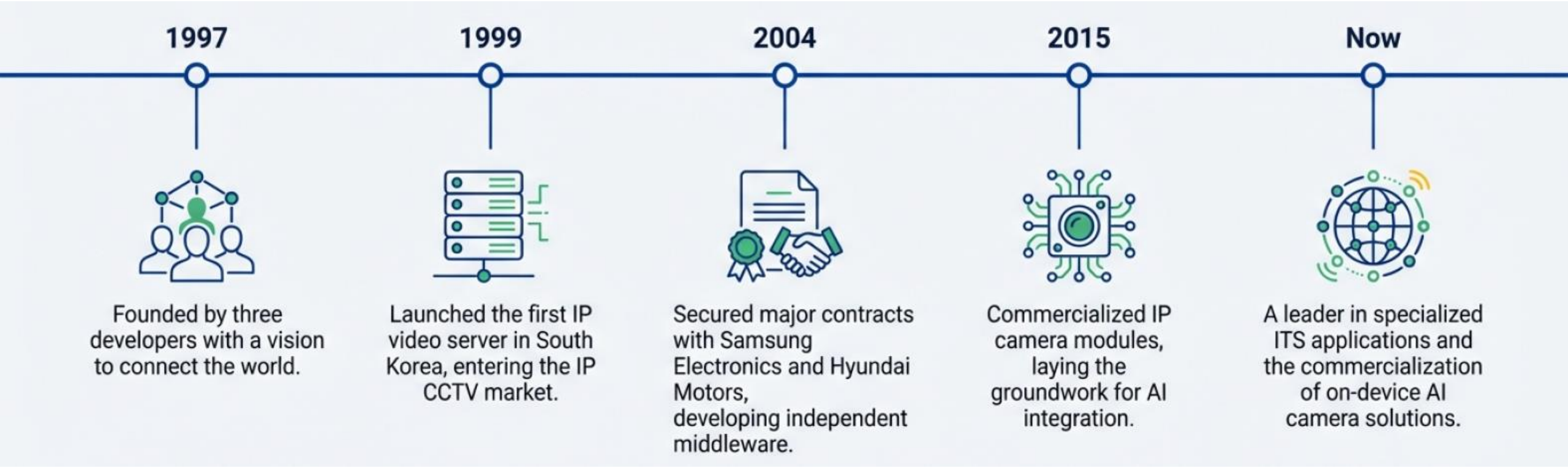
IP module/camera manufacturer
Open Integration platform for AI cameras

2026

No Vendor Lock-in / Multi-Soc / Multi-Market

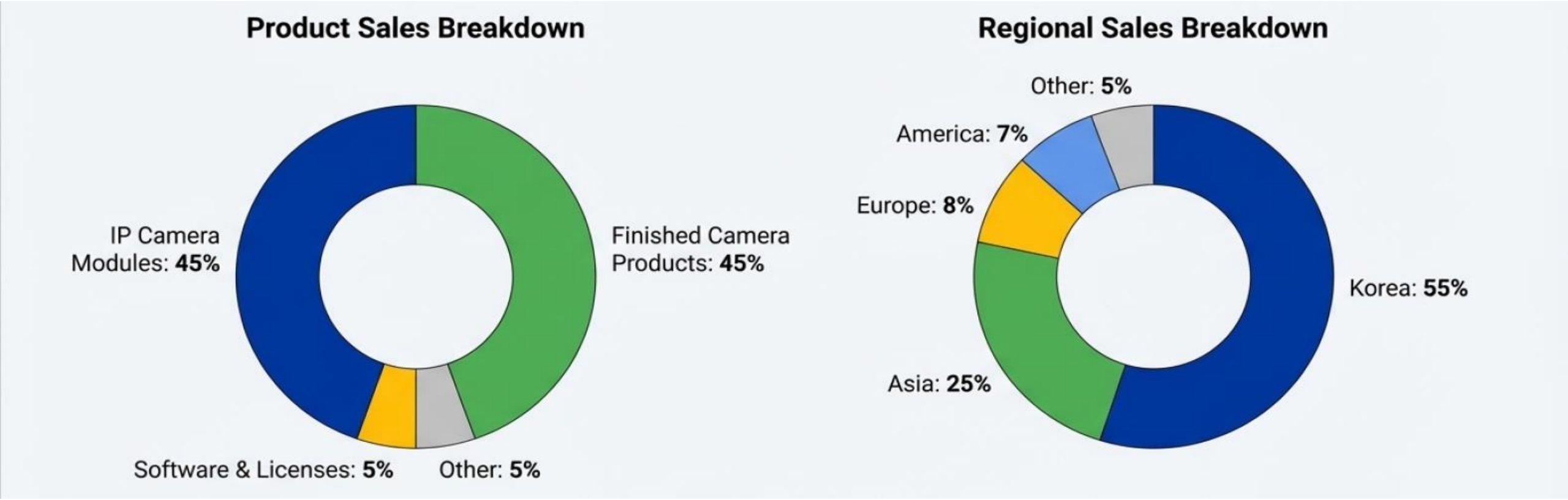
25+ Years Pioneering the IP Surveillance Industry

Since 1997, Seyeon Tech has been a first-generation IP camera manufacturer in Korea, delivering robust hardware and software under the FlexWATCH® brand.



Diversified Global Business

built on a Foundation of Hardware and Software Expertise



Our balanced portfolio across product types and global regions demonstrates market resilience and deep integration within the entire surveillance ecosystem

Four Pillars of Competitiveness Drive Our Innovation



25+ Years of Know-How

Deep expertise in commercializing products across various SoCs and operating systems.
In-house development from IP modules to VMS.



Unmatched Compatibility

Guaranteed forward and backward compatibility.
Products from 20 years ago are still compatible with our modern NVRs.
Compliant with TTA and NIS security certifications.



In-House R&D Capabilities

Full-stack development capabilities from FPGAs to high-end applications, supporting a wide range of image sensors and commercializing patent-based technologies.

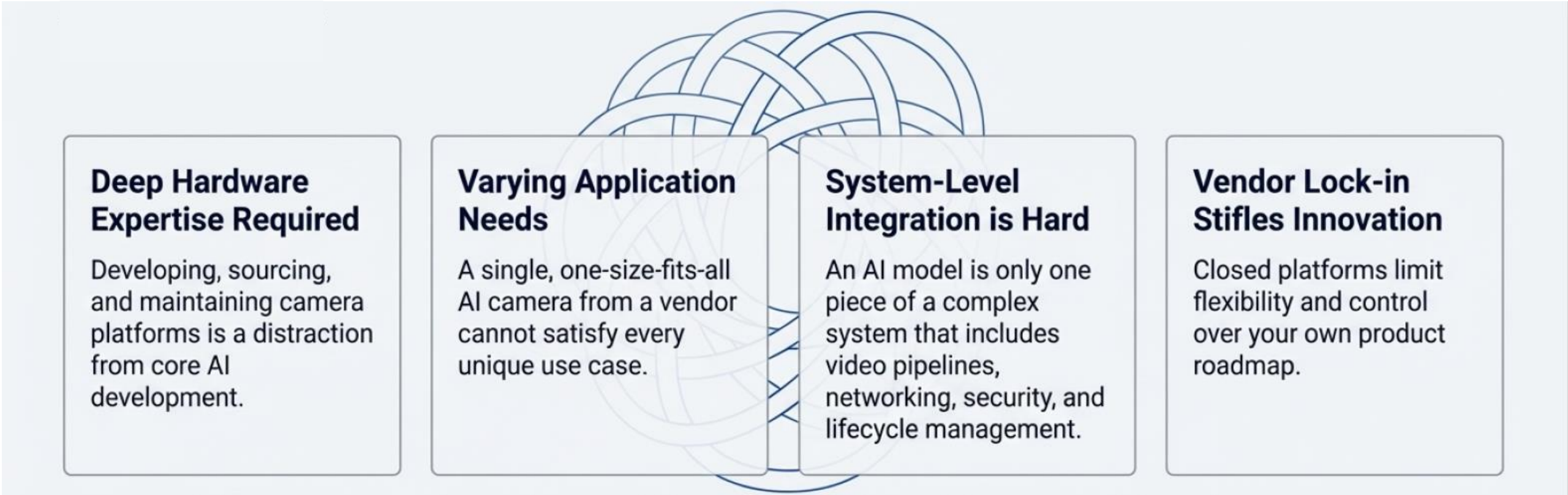


Open AI SDK

An environment empowering developers to port their unique AI features onto our proven AI camera hardware.

The Challenge: Deploying Specialized AI on Cameras is complex and Costly

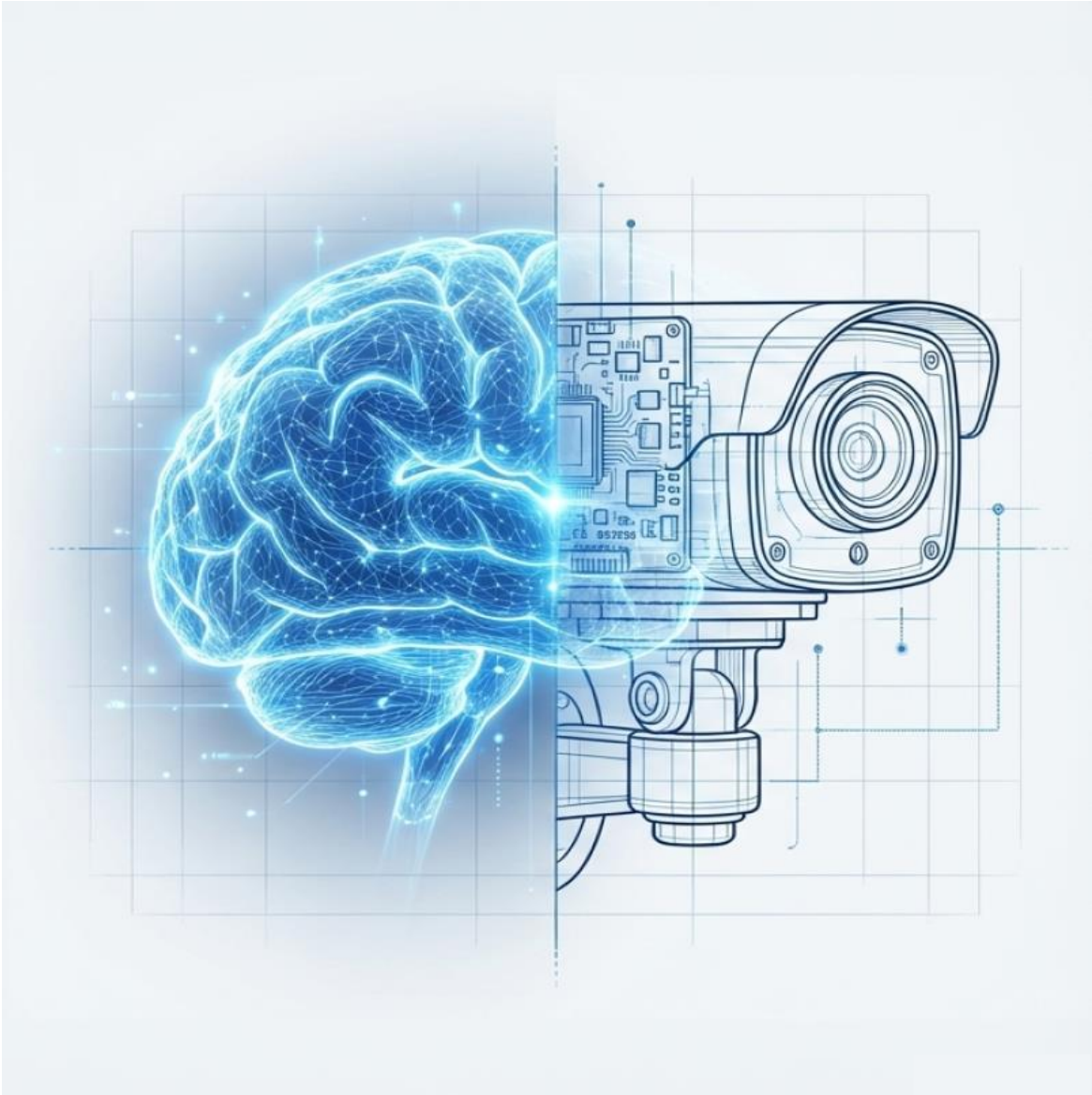
AI-focused companies and solution integrators face significant hurdles in bringing their vision to market. The expertise required goes far beyond the AI model itself



The Solution:
The FlexWATCH®
Open AI SDK

Your AI, Running Inside Real IP Cameras

We built the FlexWATCH® Open AI SDK to empower our partners. It is an open, on-device AI camera SDK designed to let you seamlessly integrate your custom AI models into our proven, deployment-ready IP camera platforms



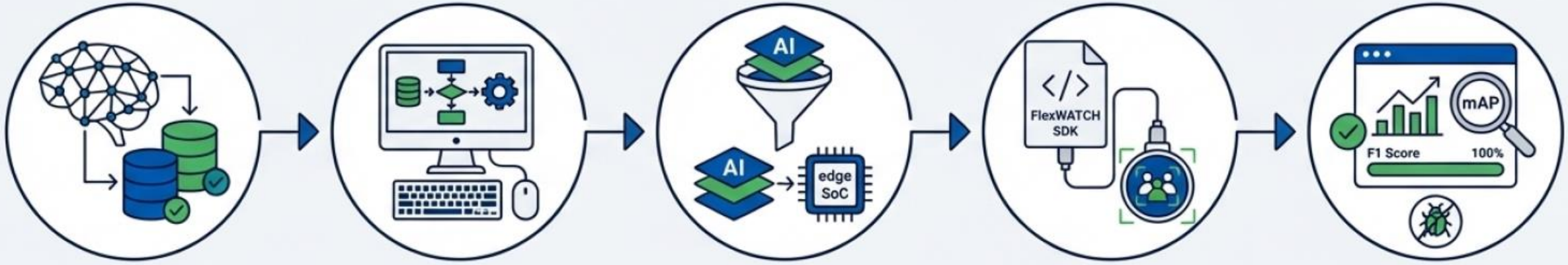
- ✓ Run multiple, custom AI models on-device
- ✓ Supports a diverse range of camera platforms and SoCs
- ✓ Utilizes flexible metadata formats for easy integration
- ✓ Crucially, it offers no vendor lock-in

FlexWATCH® IP surveillance leader

SEYEON TECH

A Simple, Non-Disruptive Path to On-Device AI

Our SDK integrates your AI into the camera's video pipeline without disrupting core camera functions like streaming and compatibility



1. AI Model Design

Develop your model and dataset as you normally would.

2. PC-based Inference

Test and validate your model on a server.

3. Compile for Target

Use the provided tools to compile the model for the target edge device (SoC).

4. Integration

Integrate the compiled model onto the FlexWATCH camera using our SDK. This can be done by your team or with our support.

5. Verification

Deploy and verify the model's performance on the physical camera.

An Ecosystem for Innovators Who Need AI Cameras, Not Camera Platform



AI Companies

Develop and deploy proprietary AI-based camera solutions without the overhead of hardware engineering.



Solution Providers

Rapidly enter new AI camera markets with differentiated, application-specific products.

FlexWATCH AI SDK



System Integrators

Fulfill client needs for highly customized AI cameras for specific projects.



R&D and PoC Teams

Accelerate the journey from Proof of Concept to a commercially viable product.

A Multi-SoC Roadmap for Every Performance Tier

We provide a transparent and strategic roadmap, allowing you to choose the right price/performance point for your application without being locked into a single silicon vendor

AI SDK Portfolio & SoC Strategy				
Model	**SoC**	**NPU**	**Frameworks Supported**	**Availability**
Base Model	EN675	1.2 TOPS (INT8)	PyTorch	Now
Standard Model	EN683	2.7 TOPS (INT8)	TensorFlow, PyTorch	Q1, 2026
Premium Model	Hailo-15H	20 TOPS (INT8)	TensorFlow, Darknet, PyTorch, Caffe, Keras	Now
Mid-range Model	TBD	3.6 TOPS (INT8)	TensorFlow, PyTorch, Caffe, Keras	Q3, 2026

* All technical information can be changed with prior notice

An Extensive Portfolio of Deployment-Ready Hardware

Your AI can be deployed across our entire range of IP camera modules and finished products, giving you unparalleled flexibility in form factor, resolution and sensor choice



Processors

- Eyenix, Ambarella and Hailo SoC options (NDAA free)

Resolutions

- 2M up to 12M

Sensors

- Extensive support for SONY sensors (Rolling and Global shutter)

Form Factors

- 20+ types of “lego-style” modules
- Full range of finished cameras (dome, bullet, PTZ)

Compliance

- ONVIF Profile S/T/M
- TTA & National Intelligence Service security certifications

Flexible Partnership Models to Match Your Business Needs

We offer multiple paths to success, whether you are a hardware manufacturer, a specialized solution developer, or a system integrator



Module Supply for Manufacturers

We provide standardized, commercial-grade hardware and software modules, allowing you to build your own camera products on our proven core technology.



Joint Development with Solution Developers

For partners with unique applications, we provide in-depth technical support and collaborative development services to bring your specialized solution to market.



Finished Products for System Integrators

We supply a complete line of finished cameras and accessories, enabling you to deliver differentiated proposals for complex projects, particularly in ITS and other demanding applications.

Trusted by Industry Leaders and Public Institutions

Our technology powers critical surveillance and security infrastructure for a diverse range of demanding clients across government, transportation, industry, and education



The Seyeon Tech Advantage: Focus on Your AI, We'll Handle the Rest



Versatile Hardware & Software

From fixed mini-domes to powerful PTZ cameras, with resolutions from 2M to 12M.





Seamless Integration & Reliability

Full ONVIF compliance and high-level system compatibility to easily integrate with existing infrastructure.



Backed by 25+ Years of Industry Expertise

Leverage decades of experience in creating robust and reliable security solutions.



Reduced Long-Term Maintenance Burden

Built for durability, saving you time and operational costs over the long term.



FlexWATCH®
IP surveillance leader

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