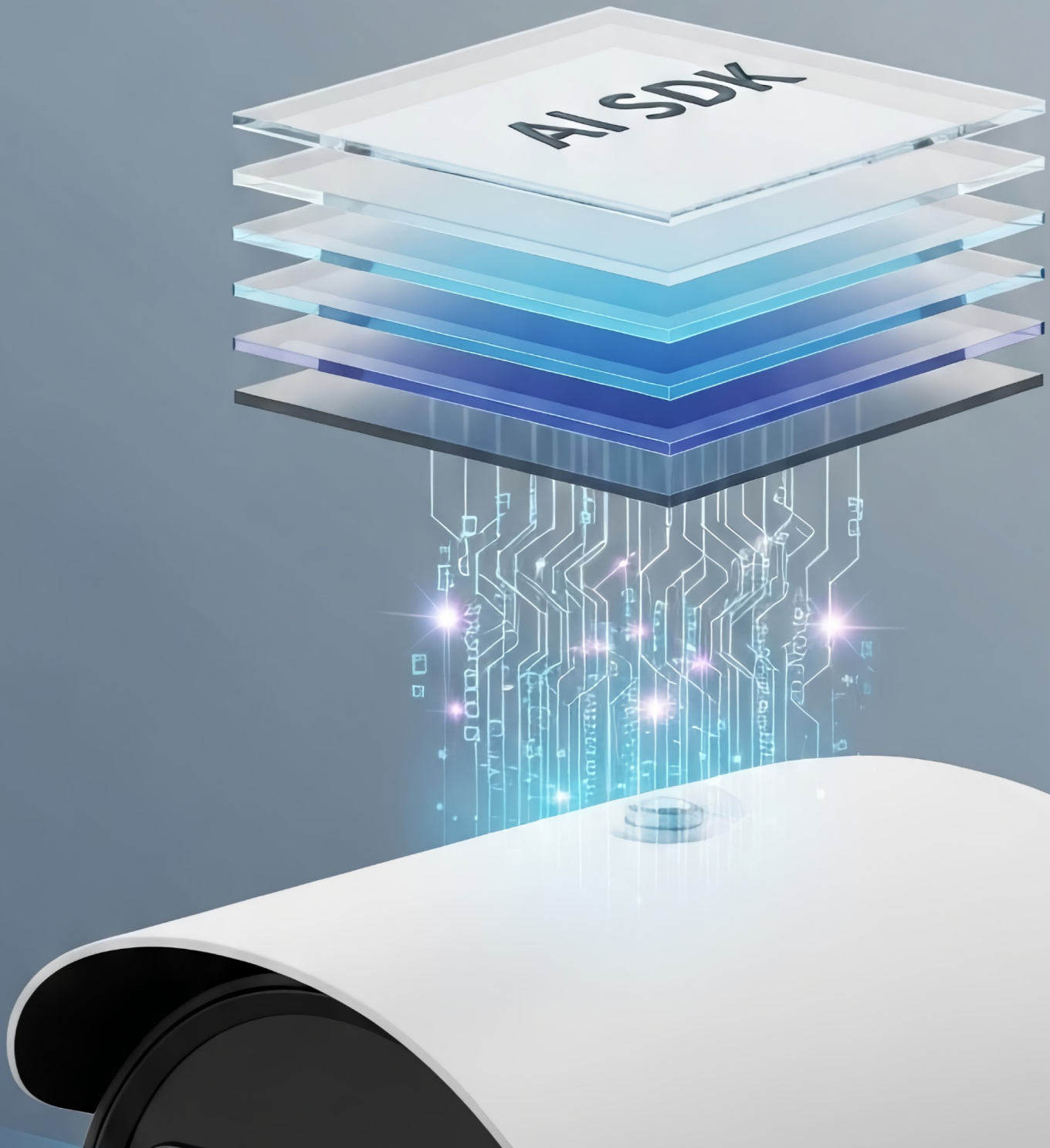
FlexWATCH®

SEYEON TECH

AI IP Camera Module/Product Introduction



TIMELINE

1997.9.3
Establishment of
Seyeon Tech Co., Ltd.

1998
Establishment of
an affiliated research institute

1999
Korea's first video server
network camera launched

2000
FlexWATCH®
trademark registration

2001
Established
a local subsidiary in the US

2002
Join the Korea Surveillance
Equipment Industry Cooperative

2003
Patent Registration
Method for Maintaining
Internet-Based Access

2004
Samsung Electronics
Equipment Supply

2010
Korea's first 8-channel
video server launched
(Progressive Scan)

2015
Confirmation of
venture business

2018
EdgeHandler
Launched and Patented

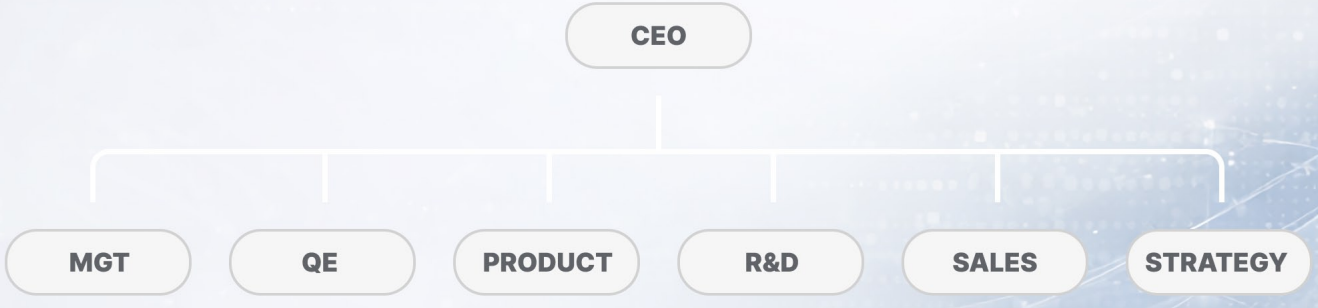
2019
IP Camera Lineup
for License Plate Detection

2023
FlexWATCH®
Open AI SDK Released

2024
S Bank supplies IP camera
systems to 1,000 branches

2026
National Intelligence Service
Security Function Certification

OBS



FlexWATCH® OPEN AI SDK

Providing an open AI SDK for developing customers' own unique AI IP cameras

- Support for multi-stage inference development
- Support for metadata post-processing
- License key support for protecting unique AI models

CORE TECHNOLOGY

IP camera development and production technology that has been in place for approximately 30 years since 1997

- Embedded system manufacturing technology
- Video/audio/network signal processing technology
- Application software development technology



BUSINESS

- IP Camera Module
- IP Camera Product
- EDGE HANDLER
- JETSON AI BRIDGE

CERT

INNOBIZ Innovation Association

Venture Enterprise 벤처확인기업

ISO 9001:2015 CERTIFIED COMPANY

ISO 14001:2015 CERTIFIED COMPANY

NDAA COMPLIANT

NIS Security Function Certification Support

TTA Verified

MODULE | Rolling/Global/Other

2 - 3M 4 - 5M 8 - 12M

Pixel	2M	2M	5M	5M
Picture				
Model	FWC-EX2-307	FWC-EX2-385	FWC-EX2-335	FWC-EX1-678-5M
Sensor	1/2.8″	1/1.8″	1/2.8″	1/1.8″
Type	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens	1.1/2.1/3/4/2.7-13.5/5-50mm	3.6-11/5.5-22mm	1.1/2.1/3/4/2.7-13.5/5-50mm	3.6-11/5.5-22mm
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Pixel	8M	12M	3M	5M
Picture				
Model	FWC-EX1-678	FWC-EX1-412	FWC-EX1-900	FWC-EX1-567
Sensor	1/1.8″	1/2.3″	1/3.1″	1/1.8″
Type	Rolling Shutter	Rolling Shutter	Global Shutter	Global Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens	1.1/2.1/3/4/2.7-13.5/5-50mm	3.6-11/5.5-22mm	1.1/2.1/3/4/2.7-13.5/5-50mm	3.6-11/5.5-22/12-40mm
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Pixel	2M/4M	2M/4M	8M	12M
Picture				
Model	FW1172-E1T	FWM-EX1-L2M	FWM-EX1-H2M	FW1172-EXM
Sensor	2M 30/60, 4M 30fps	2M 30/60, 4M 30fps	8M 30fps	Real-time image, thermal image
Type	B2B(30PIN, 60PIN)	LVDS	LVDS	IP Mainboard(Nor/Ind -40°)
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens	Zoom Module(PTZ)	Zoom Module(PTZ)	Zoom Module(PTZ)	-
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

PRODUCT | Rolling

2 - 3M 4 - 5M 8 - 12M

Pixel	2M	2M	5M	5M
Picture				
Model	FW7501-FEM	FW7501-HXM	FW7511-PEM	FW7511-PSM
Sensor	1/2.8″	1/1.8″	1/2.8″	1/1.8″
Type	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens/LED	2.7-13.5 / 30 IR	3.6-11 / 30 IR	2.7-13.5 / 30 IR	3.6-11 / 30 IR
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Pixel	8M	8M	2M	2M
Picture				
Model	FW7511-KEM	FW7511-KSM	FW7902-FTF / FEF	FW7901-FTM / FEM
Sensor	1/2.3″	1/1.8″	1/2.8″	1/2.8″
Type	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	AMBARELLA(US) / EYENIX(KR)	AMBARELLA(US) / EYENIX(KR)
Lens/LED	3.6-11 / 30 IR	3.6-11 / 30 IR	3.6 / 30 IR	2.7-13.5 / 30 IR
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Pixel	2M	2M	5M	5M
Picture				
Model	FW7940-FEM / FXM	FW7940-HXM	FW7940-PEM / PXM	FW7940-PSM
Sensor	1/2.8″	1/1.8″	1/2.8″	1/1.8″
Type	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens/LED	2.7-13.5 / 5-50 / 42 POWER IR	3.6-11(5.5-22) / 42 POWER IR	2.7-13.5 / 5-50 / 42 POWER IR	3.6-11(5.5-22) / 42 POWER IR
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

PRODUCT | Rolling/Other

2 - 3M 4 - 5M 8 - 12M

Pixel	8M	8M
Picture		
Model	FW7940-KEM	FW7940-KSM
Sensor	1/2.3″	1/1.8″
Type	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)
Lens/LED	3.6-11(5.5-22) / 42 POWER IR	3.6-11(5.5-22) / 42 POWER IR
AI	Face Detection, Object Detection	
VA	Intrusion detection and 7 other types	
ETC	Support for NIS Security Function certification	

Pixel	2M	5M	2M/5M	2M 실화상 + 열화상
Picture				
Model	FW9002-FEP	FW1193-PEF	FW7904-FXM / PXM	FW7950-FEM-T80
Sensor	1/2.8″	1/2.8″	1/2.8″	1/2.8″
Type	Rolling Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens	3.6	3.6	5-50 / 4 POWER IR	2.7-13.5 / 4 POWER IR
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Brand	AI BRIDGE	AI BRIDGE	EDGE HANDLER	EDGE HANDLER
Picture				
Model	FWJ100-ON	FWJ100-OX	EHA200	EHA300
Core	NVIDIA (US)	NVIDIA (US)	AMBARELLA (US)	AMBARELLA (US)
Type	EDGE AI MACHINE	EDGE AI MACHINE	HDMI Straming & Remote Control	HDMI Straming & Remote Control
SoC	JETSON ORIN NANO	JETSON ORIN NX	-	-
LAN	GIGABIT ETHERNET x 2	GIGABIT ETHERNET x 2	GIGABIT ETHERNET x 2	GIGABIT ETHERNET x 2
HDMI	Micro HDMI (D TYPE) x 1	Micro HDMI (D TYPE) x 1	HDMI (A TYPE) x 1	HDMI (A TYPE) x 1
USB	USB 3.1 X 2	USB 3.1 X 2	USB 2.0 (B TYPE) X 1	USB 2.0 (B TYPE) X 1
POWER	DC12V 5A	DC12V 5A	DC 12V 1A	DC 12V 1A

PRODUCT | PTZ/Global

2 - 3M 4 - 5M 8 - 12M

Pixel	2M	4M	8M	8M
Picture				
Model	FW9709-FNR	FW9709-QNR	FW9719-KNR	FW9729-KNR
Sensor	1/1.8″	1/1.8″	1/1.8″	1/1.8″
Type	PTZ	PTZ	PTZ	PTZ
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens/LED	Opt 36X(6-216) / 13 POWER IR	Opt 36X(6-216) / 13 POWER IR	Opt 40X(6.4-256) / 6 POWER IR	Opt 40X(6.4-256) / LASER
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

Pixel	3M	5M	5M	8M
Picture				
Model	FW9307-GXM1-E	FW9307-GPM1-E	FW9317-GPM1-E	FW9317-GKM1-E
Sensor	1/3.1″	1/1.8″	1/1.8″	1/1.1″
Type	Global Shutter	Global Shutter	Global Shutter	Global Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
Lens/LED	5-50 / 32 × 32 POWER IR	12-40 / 32 × 32 POWER IR	11-50 / 32 × 32 POWER IR	20-70 / 32 × 32 POWER IR
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
ETC	Support for NIS Security Function certification			

화소	3M	5M	5M	8M
사진				
모델	FW7930-GXM	FW7300-GPN	FW7300-GPN	FW7300-GKN
센서	1/3.1″	1/1.8″	1/1.8″	1/1.1″
형태	Global Shutter	Global Shutter	Global Shutter	Global Shutter
SoC	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)	EYENIX(South Korea)
렌즈 / LED	2.7-13.5 / 4 POWER IR	CS(C)-MOUNT	11-50	20-70
AI	Face Detection, Object Detection			
VA	Intrusion detection and 7 other types			
기타	Support for NIS Security Function certification			

FlexWATCH®

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