

DATASHEET · AUGUST 2026

FlexWATCH Edge AI camera family

AiRC distributes and integrates official **Seyeon Tech FlexWATCH** modules and finished cameras, and quotes **Hailo-8L** (13 TOPS, ~1.5 W) as an on-device AI attach. Model numbers below are Seyeon's — not private placeholders. Zoom-block and thermal SKUs are withheld until Seyeon confirms them.



FW7300-GKN — 4K global-shutter box camera, catalogued for LPR / ANPR.

Positioning

For toll / ETC operators, ITS integrators, and PTZ OEMs who need to add proprietary models at the edge without a multi-year camera redesign. Keep qualified optics. Attach FlexWATCH over BT1120, LVDS, or YUV. Land ONVIF on the incumbent VMS.

Hailo-8L attach (via AiRC)

- 13 TOPS, approximately 1.5 W
- Multi-model: plate, class, tamper, behavior
- Industrial temperature class
- FlexWATCH Open AI SDK — five-step model path

Architecture

Sony CMOS (rolling or global, 2–12 MP) → **FlexWATCH SoC** (Eyenix or Ambarella, NDAA-free, ONVIF S/T/M) → **Hailo-8L** (AiRC integration) → **your VMS**. Inputs: BT1120 · LVDS · YUV.

Compliance and interfaces

NDAA-free SoC path: Eyenix and Ambarella, plus Hailo. **ONVIF:** Profile S and T on all quoted SKUs; Profile M on AI / metadata builds. **SDK:** FlexWATCH Open AI SDK for customer-owned models. **Not in this datasheet:** zoom-block cameras and thermal / dual-band imagers — pending Seyeon confirmation.

Typical starting configurations

- **Dedicated plate lane:** FWC-EX2-0234 module or FW7300-GPN box. Global shutter first.
- **Plaza / free-flow:** FW7300-GKN (4K global) plus a rolling-shutter overview (FWC-EE1-307 or FW7511-PEM).
- **PTZ OEM embed:** FWM-EX1-L2M or FW1172-A3T55. Keep the existing pan-tilt block; attach over LVDS.



FWC-EE1-307 — 2MP rolling-shutter single-board module (Eyenix).

Launch catalog — official Seyeon models

These twelve SKUs are the Phase 1 quote set. Hailo-8L is quoted by AiRC on FlexWATCH hardware. It is not listed as a factory option on every Seyeon SKU. Confirm SoC revision and shutter at order.

Model	Form	Res.	Shutter	SoC / notes	Primary use
FWC-EE1-307	Module	2MP	Rolling	Eyenix, 1-board	Compact ITS / lane
FWC-EX2-0234	Module	2MP	Global	Eyenix	High-speed plate
FWC-EX1-567	Module	5MP	Global	Eyenix	Multi-lane ANPR
FWC-EX1-565	Module	8MP	Global	Eyenix	Plaza / wide FOV
FWC-EX1-412	Module	12MP	Rolling	Eyenix	Intersection overview
FWM-EX1-L2M	LVDS board	2/4MP	Host	Eyenix, LVDS	PTZ embed
FW1172-A3T55	Mainboard	5MP	Host	Ambarella	PTZ / custom core
FWM-EX1-H2M	LVDS board	8MP	Host	Eyenix, LVDS	4K-class PTZ embed
FW7300-GPN	Box camera	5MP	Global	LPR / ANPR	Dedicated plate cam
FW7300-GKN	Box camera	4K	Global	LPR / ANPR	Plate + class + FOV
FW7511-PEM	Dome	5MP	Rolling	Autofocus vandal	Plaza / facility
FW7904-PXM	PTZ bullet	5MP	Rolling	Finished PTZ	Corridor / OEM eval

How to buy

Phase 1 is request-quote only. Volume, Hailo-8L attach, private-label, and integration scope are quoted per deployment. Reference this document as **DS-FW-H8L-2026.08**. Application note: Toll lane & free-flow ANPR (AiRC site, /resources/toll-anpr).

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