



# Top Performing Edge AI Processors

## Unprecedented AI performance on the edge

Deep Learning, commonly referred to as Artificial Intelligence (AI), is gaining traction and transforming the way we perceive and analyze the world around us.

At Hailo, we believe that AI can help us create a better, safer, more productive, and more convenient world. For this to happen, AI needs to be available at scale, and respond in real time to constantly evolving environments. Therefore, we developed the best performing edge AI processors – revolutionary deep learning solutions that allow smart edge devices to run high-performance AI applications that could previously only run in the cloud.

Hailo's processors are the product of rethinking traditional computer architecture. Our highly efficient, fully programmable, compact AI processors perform sophisticated deep learning tasks in real-time and high accuracy, with minimal power consumption, size, and cost.



## An Ecosystem of Technology Leaders

The Hailo AI processors are designed to fit into a multitude of smart machines and devices, such as intelligent IP cameras, edge compute devices and driving safety systems, impacting a wide array of sectors including automotive, industrial automation, security and retail.

We work with world-leading OEMs, ODMs, Tier 1s and software vendors across these industries.



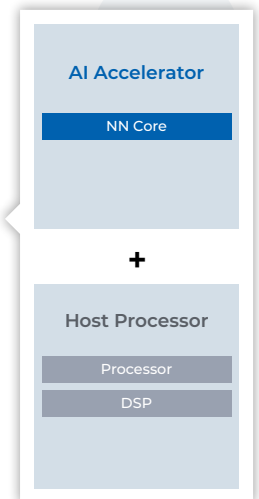
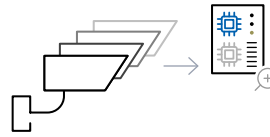
# Empowering Edge Devices with AI

## Hailo offers a range of edge AI processors



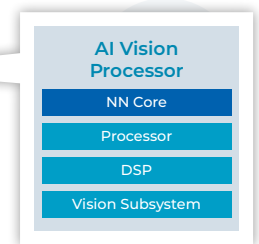
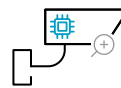
### AI Accelerators

An AI accelerator co-processor that integrates with edge platforms, empowering real-time deep learning inference tasks on the edge, with low power consumption, size and cost.



### AI Vision Processors

A family of self-contained vision processors (commonly referred to as Vision Processing Units, VPUs) incorporating Hailo's leading AI inferencing capabilities with advanced computer vision engines.



### Powerful

- High performance AI processing

<b>AI Accelerators</b>	Hailo-8 Century 52-208 TOPS	Hailo-8 26 TOPS	Hailo-8L 13 TOPS
<b>AI Vision Processors</b>	Hailo-15H 20 TOPS*	Hailo-15M 11 TOPS	Hailo-15L 7 TOPS

- Enabling real-time, low latency AI inferencing on edge devices



### Easy to Use

- Comprehensive and mature AI software suite
- Common machine learning development framework support
- Wide range of interfaces & runtime frameworks
- Rich neural network model zoo



### Versatile

- Enables complex AI processing pipelines (multi-source & multi-task)
- Extended temperature range for industrial & automotive\*\* applications



### Efficient

- Highest cost-efficiency FPS (TOPS/\$) compared with existing solutions
- Best-in-class power efficiency (FPS/W)

\* Tera Operations Per Second \*\* Hailo-8 is AEC-Q100, Grade B

# HAILO

### CONTACT US

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Product inquiry

