



## Hailo-8<sup>™</sup> Deep Learning Processor for Edge Devices

The Hailo-8<sup>™</sup> Provides Groundbreaking Efficiency for Neural Network Deployment

## End-To-End Solution

#### TARGET MARKETS

Automotive
Smart City
Smart Home
Smart Retail
Industry 4.0

### HARDWARE

Up to 26 TOPS

Numeric representation: 8, 16 -bit

Typical power consumption: 2.5W

#### SOFTWARE

Comprehensive toolchain
TensorFlow and ONNX support
Offline Emulator
and Profiler

#### AUTOMOTIVE COMPLIANCE

A-SPICE L2 development flow

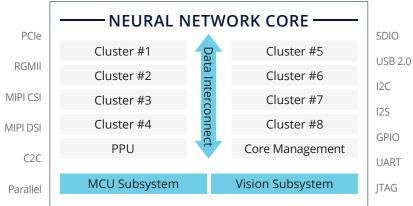
AEC-Q100 Grade 2 compliant

ISO-26262, ASIL-B (D) compliant

## **KEY Features**

- Proprietary novel Structure-driven Data Flow architecture (vs. CPU/GPU/DSP/HW Accelerator)
- Holistic solution comprising HW & SW
- Unprecedented performance efficiency enabling
  - Processing of FHD stream in real-time
  - Low power consumption solution
- Enable smaller size and lower the solution cost
- Used as a standalone processor or as a co-processor
- Scalable performance via chip cascading
- Easy HW integration (no additional external memory)
- Seamlessly integrates with popular SW frameworks

# Hailo-8<sup>™</sup>





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