



Hailo-8™ Deep Learning Processor for Edge Devices

The Hailo-8™ 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™

