



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

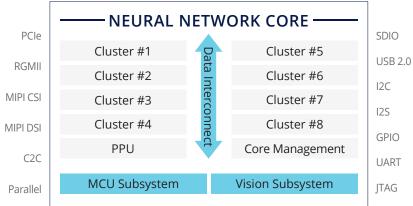
AEC-Q100 Grade 2 compliant

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[™]





Yigal Alon 94, Tel Aviv, Israel 6789139 @ Copyright 2021 Hailo Technologies Ltd. All rights reserved.