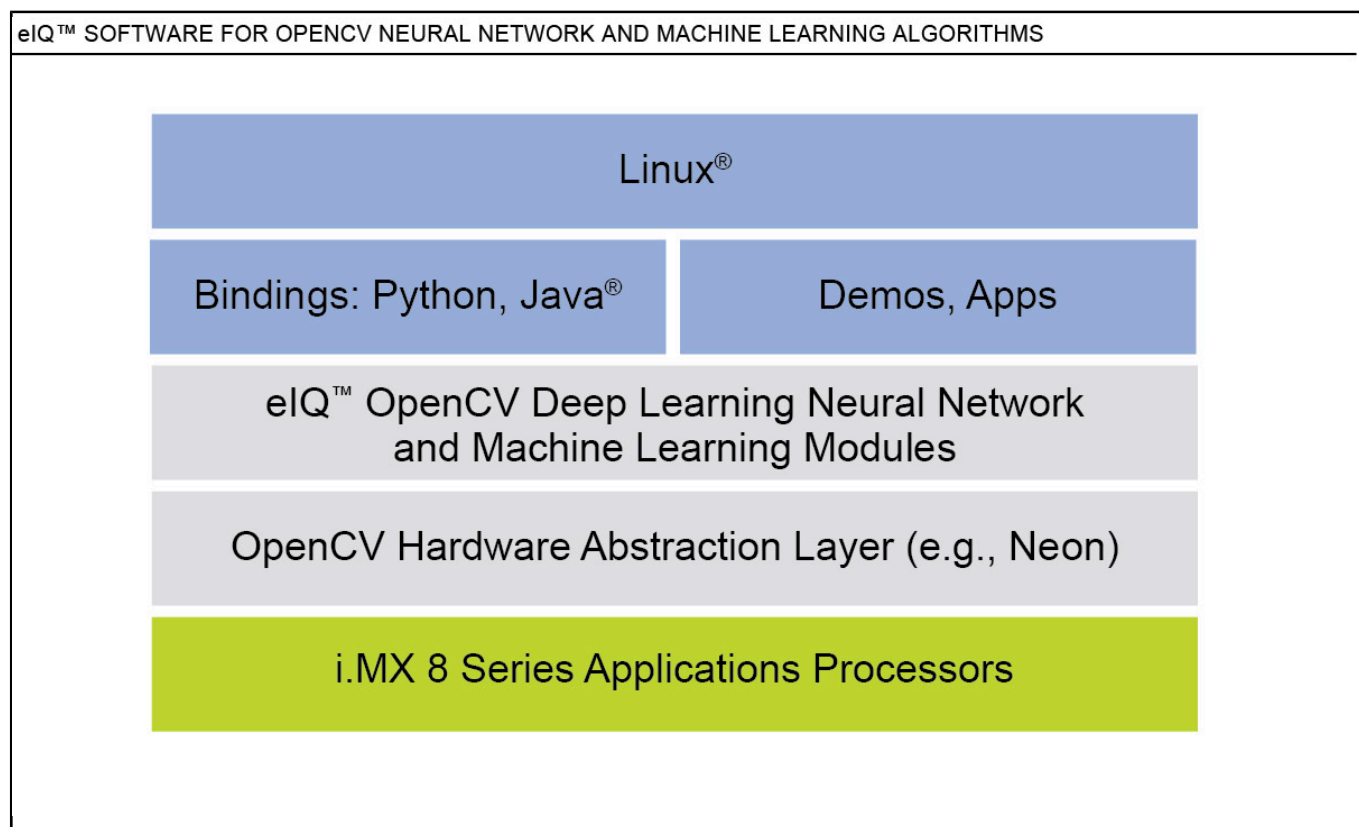# eIQ® OpenCV Neural Network and ML Algorithm Support

eIQOpenCV

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NXP's eIQ software supports the OpenCV library – a well-known industry standard comprised of programming functions that can perform image processing, video encoding/decoding, video analysis and object detection, in addition to processing of deep neural networks (DNN) and classical machine learning algorithms (ML). The cross-platform eIQ for OpenCV library is free for use under the open-source BSD license. eIQ for OpenCV NN targets Arm® Cortex®-A cores and utilizes Arm Neon™ technology acceleration to process TensorFlow and Caffe trained NN models.

eIQ OpenCV Neural Network and ML Algorithm Support Block Diagram

eIQ™ SOFTWARE FOR OPENCV NEURAL NETWORK AND MACHINE LEARNING ALGORITHMS

Linux®

Bindings: Python, Java®

Demos, Apps

eIQ™ OpenCV Deep Learning Neural Network and Machine Learning Modules

OpenCV Hardware Abstraction Layer (e.g., Neon)

i.MX 8 Series Applications Processors

View additional information for eIQ® OpenCV Neural Network and ML Algorithm Support.

Note: The information on this document is subject to change without notice.