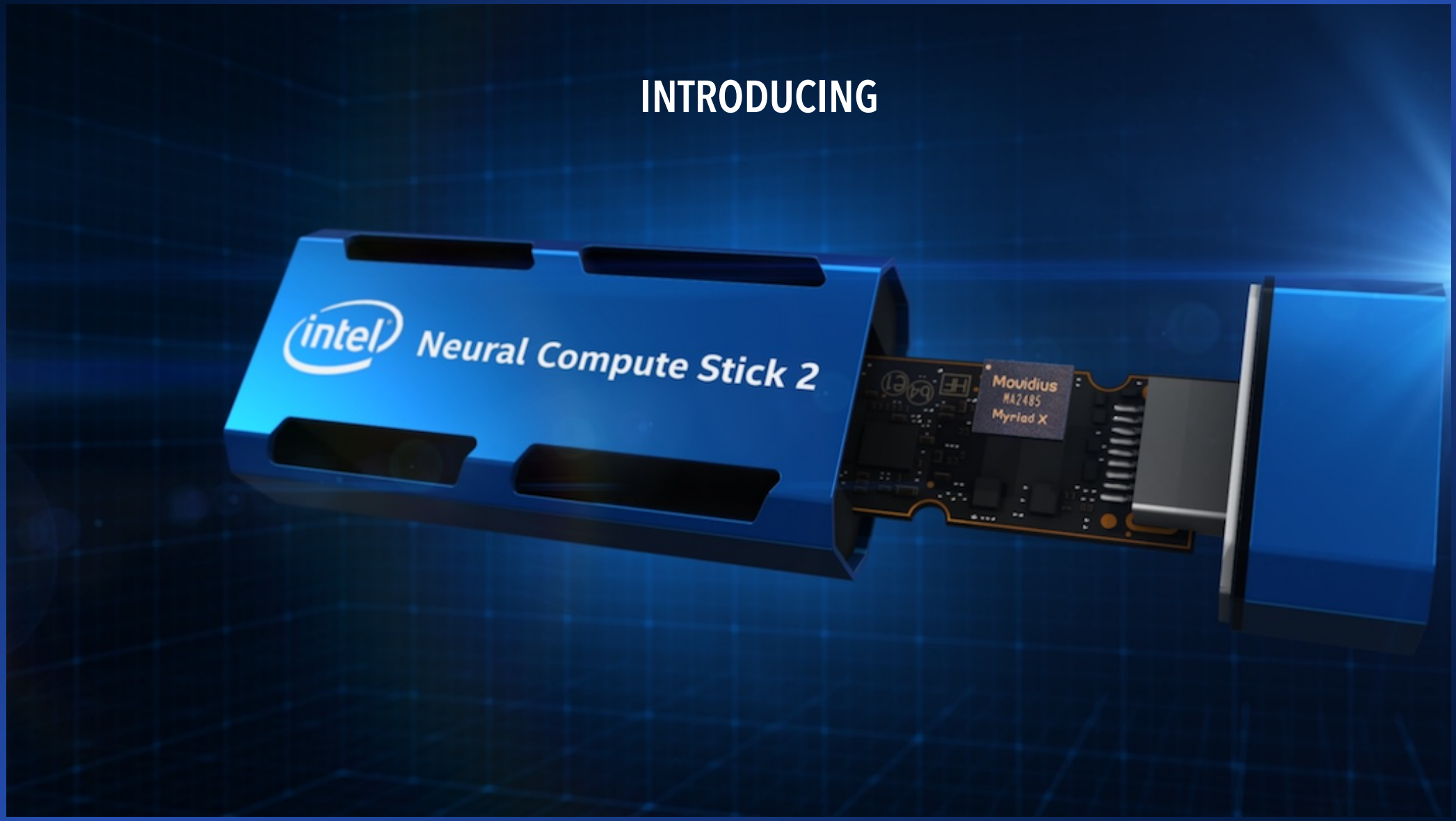
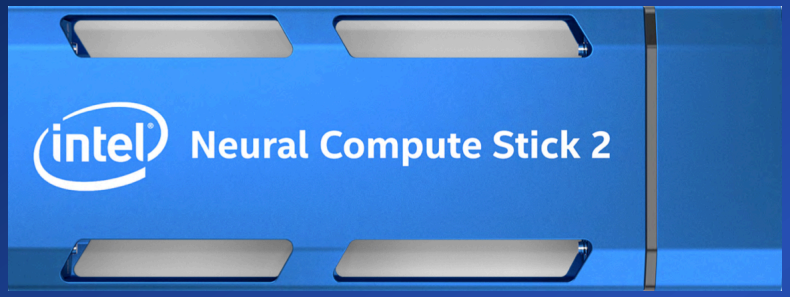
INTRODUCING



KAGA ELECTRONICS CO.,LTD.

NEURAL COMPUTE STICK 2



MORE CORES. MORE AI INFERENCE

- プラグ＆プレイで素早く簡単に利用可能
- 共通フレームワーク
- すぐに使えるサンプルアプリケーション
- USBポートを備えたあらゆるプラットフォームでの活用
- クラウドコンピューティングに依存しない操作

Intel® Movidius™
Myriad™X VPU
業界をリードする
パフォーマンス
低消費電力 / パワー

+

Optimized by
OpenVINO

Intel® が配信するOpenVINO™により
効率的で迅速な
ソリューション開発実現

KAGA ELECTRONICS CO.,LTD.

MORE CORES. MORE AI INFERENCE

8X[1] **HIGHER PERFORMANCE**

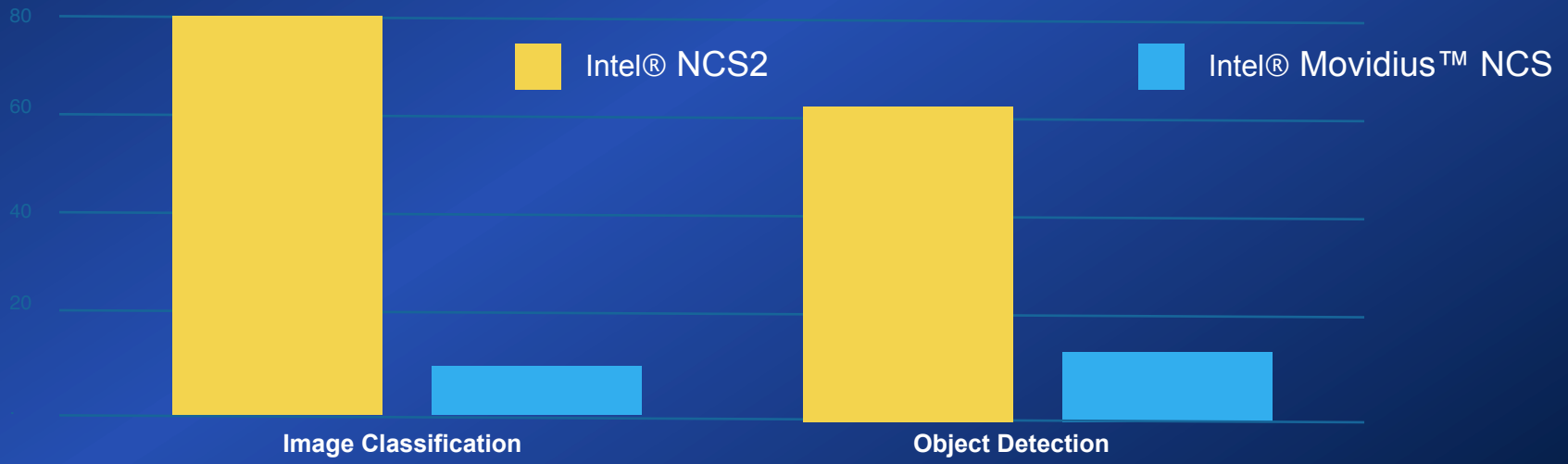
ディープニューラルネットワーク
Intel® Movidius™
Neural Compute Stickとの比較

4 TOPS[2]

4テラ／秒の
トータルパフォーマンス

1 TOPS

1テラ／秒の
ニューラルネットワーク処理
専用演算器



1Testing by Intel as of October 12th, 2018. Deep Learning Workload Configuration. Comparing Intel® MovidiusTM Neural Compute Stick based on Intel® MovidiusTM MyriadTM 2 VPU vs. Intel® Neural Compute Stick 2 Intel® MovidiusTM MyriadTM X VPU with Asynchronous Plug-in enabled for (2xNCE engines). As measured by images per second across GoogleNetV1. Base System Configuration: Intel® CoreTM I7-8700K 95W TDP (6C12T at 3.7GHz base freq and 4.7GHz max turbo freq), Graphics: Intel® UHD Graphics 630 Total Memory 65830088 kB Storage: INTEL SSDSC2BB24 (240GB), Ubuntu 16.04.5 Linux-4.15.0-36-generic-x86_64-with-Ubuntu-16.04-xenial, deeplearning_deploymenttoolkit_2018.0.14348.0, API version 1.2, Build 14348, myriad Plugin, FP16, Batch Size = 1. Software and workloads used in performance tests may have been optimized for performance only on Intel® microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit www.intel.com/benchmarks. Performance results are based on testing as of October 12th, 2018 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

2 Overall performance is the architectural calculation based on the maximum performance of operations-per-second over all available compute units on the Intel® MovidiusTM MyriadTM X VPU.

KAGA ELECTRONICS CO.,LTD.

SPECIFICATION COMPARISON

Specifications	Intel® Movidius™ Neural Compute Stick	Intel® Neural Compute Stick 2
Vision Processing Unit (VPU)	The Intel® Movidius™ Myriad™2 VPU	The Intel® Movidius™ Myriad™X VPU
Software development kit	The Intel® Movidius™ Neural Compute SDK	The Intel® Distribution of OpenVINO™ toolkit
OS support	Ubuntu 16.04, Raspberry Pi3 Model B running Stretch desktop or Ubuntu 16.04 Virtual Box instance	Ubuntu 16.04.3 LTS (64 bit), Windows 10 (64 bit), or CentOS 7.4 (64 bit)
Support framework	TensorFlow and Caffe	TensorFlow and Caffe
Connectivity	USB 3.0 Type-A	USB 3.0 Type-A
USB stick dimensions (mm)	72.5mm x 27mm x 14mm	72.5mm x 27mm x 14mm
Operating temperature	0° - 40°C	0° - 40°C

INTEL® DISTRIBUTION OF OpenVINO

Download now: http://software.intel.com/en-us/openvino-toolkit

ディープラーニングモデルデプロイと推論の最適化

素早いビジョンソリューションの開発

コンピュータビジョンのパフォーマンスを加速

Caffe TensorFlow

Open CV Open CL OpenVX

- POPULAR NETWORKS SUPPORTED
- COMPUTER VISION ALGORITHMS
- INFERENCE ENGINE
- MODEL OPTIMIZER
- PRE-TRAINED MODELS
- COMPUTER VISION LIBRARY

KAGA ELECTRONICS CO.,LTD.

INTEL® NEURAL COMPUTE STICK 2

intel

KAGA ELECTRONICS CO.,LTD.

加賀電子株式会社はINTEL® AI: IN PRODUCTION 登録企業です

KAGA ELECTRONICS CO.,LTD.

INTEL® NCS2は下記Webショップからご購入いただけます

https://shop.taxan.co.jp/

お問い合わせ先：https://www.taxan.co.jp/jp/contact

KAGA ELECTRONICS CO.,LTD.

項目	KAM-XE1	KAM-XM2	KAM-XP2
Myriad X搭載数	1	2	2
フォームファクタ	M.2 A+E Key	M.2 B+M Key	miniPCI-e
ボードサイズ	22mm x 30mm	22mm x 42mm	30mm x 50.5mm
I/F 規格	USB3.0/2.0	USB3.0/2.0 , mPCIe	mini PCI-e
オンボードメモリ(GB)	0.5	1	1
消費電力	> 5W	T.B.D	T.B.D
動作温度範囲	T.B.D	T.B.D	T.B.D
発売時期	2019/Q1（予定）	2019/Q1（予定）	2019/Q1（予定）

※仕様、発売時期は変更になる場合がございます

加賀電子株式会社は、Myriad™X VPU 搭載各種ボードタイプ製品を販売予定です

KAGA ELECTRONICS CO.,LTD.