

VISUAL SOLUTIONS: PRODUCT PLANNING

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SEP 2019





INTELLIGENT & CONNECTED

COST REDUCTIONS IN COMPUTE,
BANDWIDTH & SENSORS

AUTONOMOUS

ADVANCEMENTS IN COMPUTER VISION,
5G, ANALYTICS & AI

INTELLIGENT & CONNECTED

TRANSFORMING BUSINESS MODELS

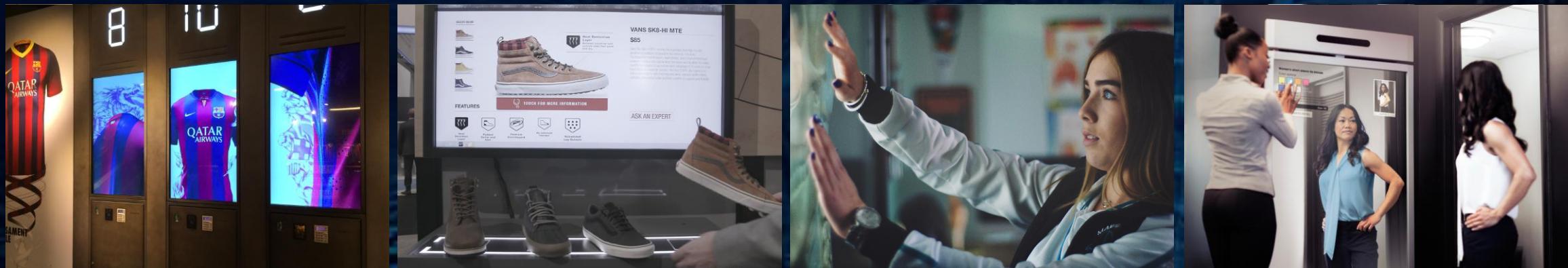
DIGITAL SIGNAGE AND KIOSK IS A LEADING IOT APPLICATION IN RETAIL, HOSPITALITY, EDUCATION AND OTHER INDUSTRIES.

ENHANCING OUT-OF-HOME EXPERIENCES

PERSONAL, COMPELLING MESSAGES TO THE MOBILE CONSUMER: REAL-TIME, INTERACTIVE, MOBILE DEVICE INTEGRATION.

UNIFIED COMMERCE READY SOLUTIONS

COMPREHENSIVE SOLUTIONS FOR DISTRIBUTING/MANAGING CONTENT, DIAGNOSTICS; REAL TIME ANALYTICS.



INTEL-ENABLED SOLUTIONS
PROVIDE



PERFORMANCE/
RICH MEDIA



STANDARDIZATION



SECURITY



MANAGEABILITY



NATURAL INTUITIVE
INTERACTION

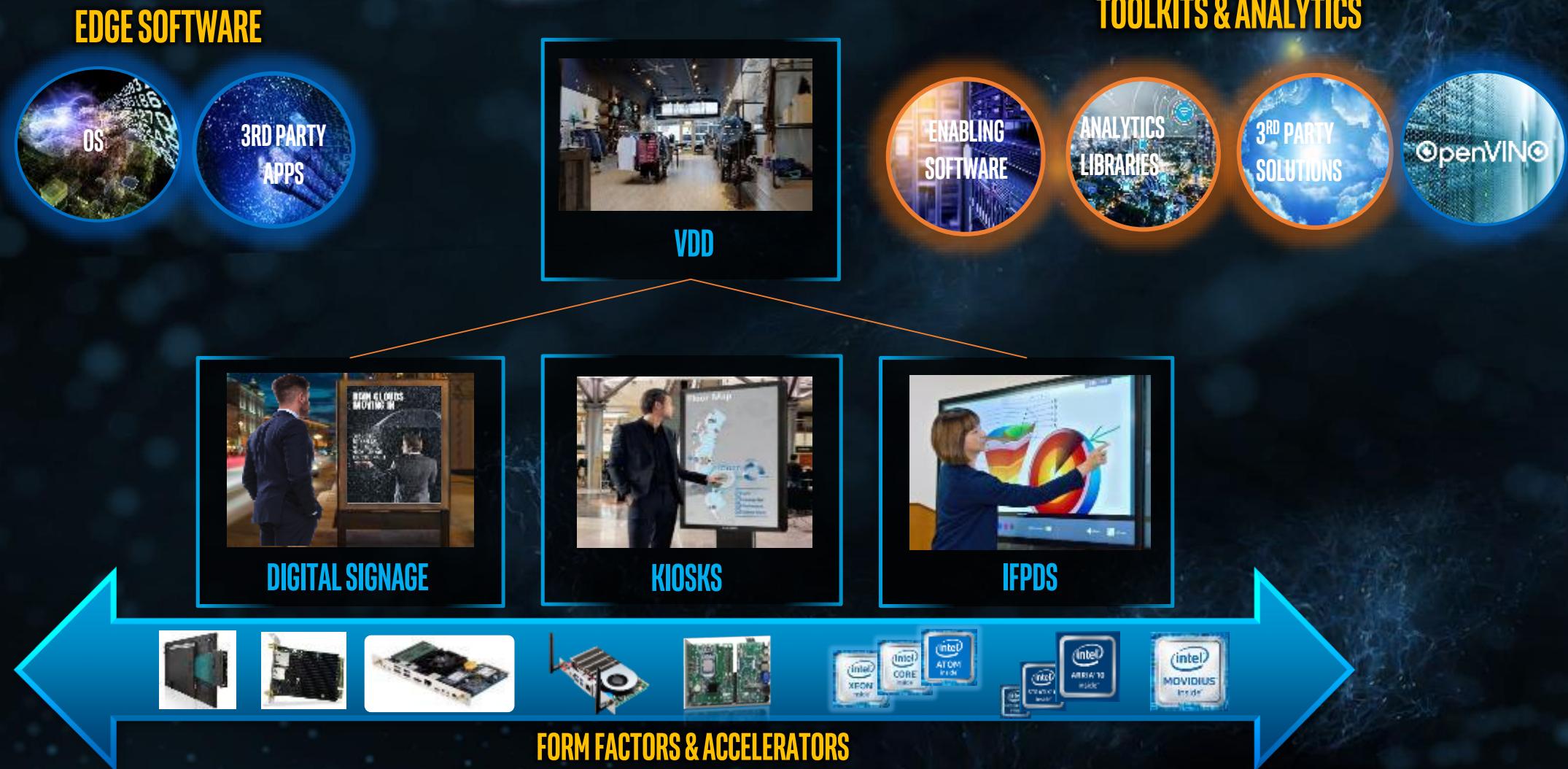


ANALYTICS

BUILDING BLOCKS FOR AUTONOMOUS VISUAL EXPERIENCES



VISUAL SOLUTION FRAMEWORK



INTEL OPS

DELIVERING STANDARDIZED SOLUTIONS FOR COLLABORATION



INTEL OPS FAMILY

INTEL® SMART DISPLAY MODULE

2019 PRODUCTION

MODULES

AAEON
ADVANTECH
ASUS
AXIOMETEK
COMPAL
CHIPHD
GIADA
GIGALPC
HONGDAFENG
IBASE
JWIPC
LITEMAX
NEXCOM
QUANTA

DISPLAYS

AUO
DIGITAL VIEW
DYNASCAN
HONGDAFENG (DIANJITECK)
LITEMAX
PANASONIC
TES
TPV (AIO)
VIEWSONIC



INTEL® SMART KIOSK MODULE

IO STANDARDIZATION

PARTNERS: 22 LICENSEES



世界の技術を日本の品質で。
株式会社ダックス



INTEL® SKM



SOFTWARE DEVELOPMENT

TOOLKITS & ANALYTICS



INTEL® SENSING AND ACOUSTIC REFERENCE DESIGN

REFERENCE SENSOR BOARD & SOFTWARE

- HOUSES VARIOUS ENVIRONMENTAL SENSORS
- EXTRACTS SENSOR INFORMATION
- CLOUD DASHBOARD WITH REAL TIME DATA





ALIGNED EXAMPLE MODULES & FEATURES
VS WORKSHOPS & HANDS ON ENABLEMENT
ENABLING ISV ECOSYSTEM

- VISION
- AUDIO
- OPTICAL CHARACTER RECOGNITION

"QUIVIDI IS PLEASED TO SUPPORT THE FIRST OPENVINO
INTEGRATION IN THE DIGITAL SIGNAGE INDUSTRY. ALLOWED BY VIDIREPORTS 7'S VERSATILITY, THIS ENHANCED
SOLUTION PAVES THE WAY TO NEXT-GENERATION AI-BASED AUDIENCE & CONTENT ANALYTICS FOR DIGITAL
SIGNAGE."

KE QUANG NGUYEN PHUC, QUIVIDI CEO

The Quivid logo consists of the word 'Quivid' in a bold, sans-serif font, with a small purple circle positioned above the letter 'Q'.

**45% OF DATA
WILL BE STORED, ANALYZED AND
ACTED ON AT THE
EDGE**

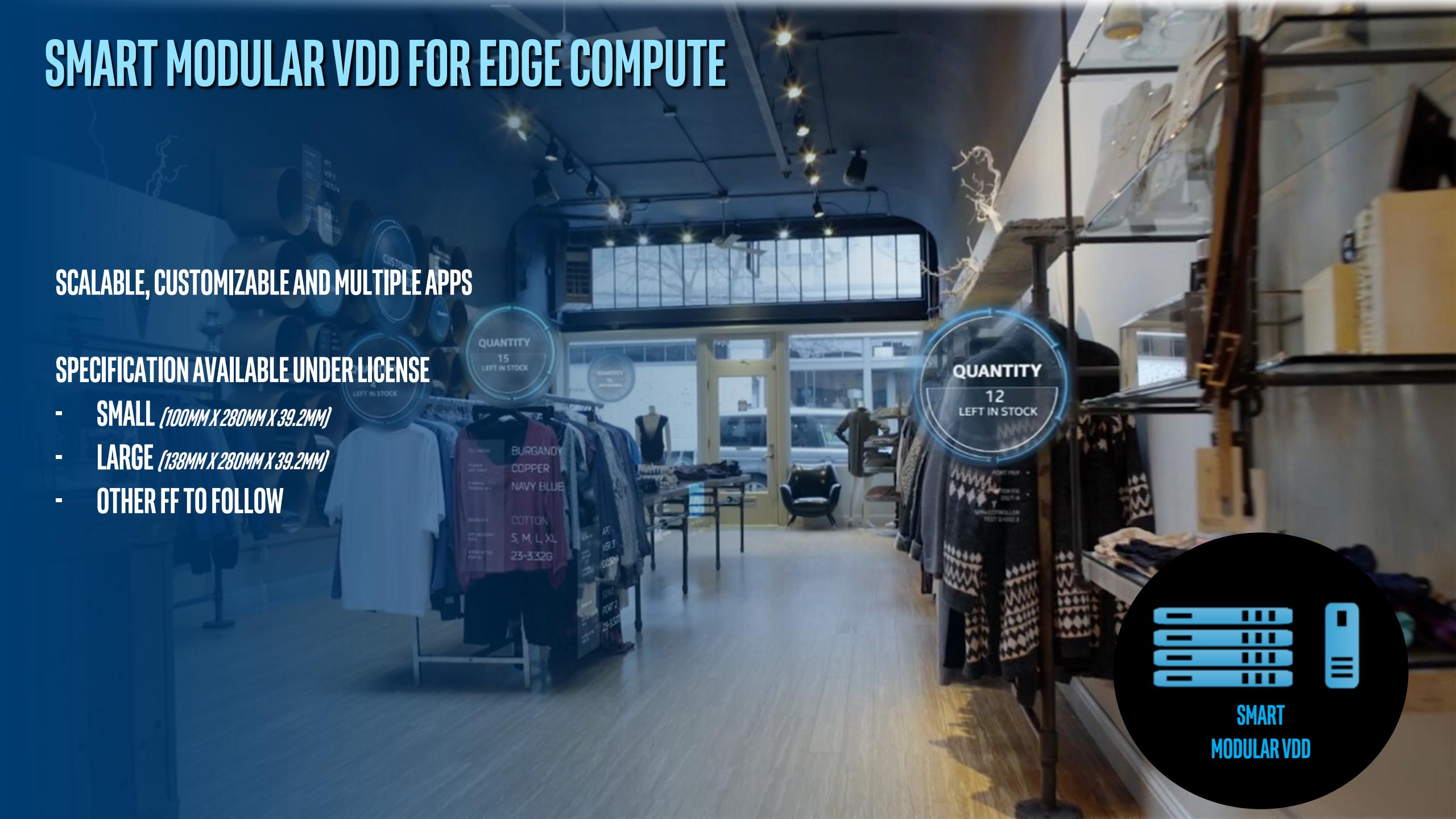
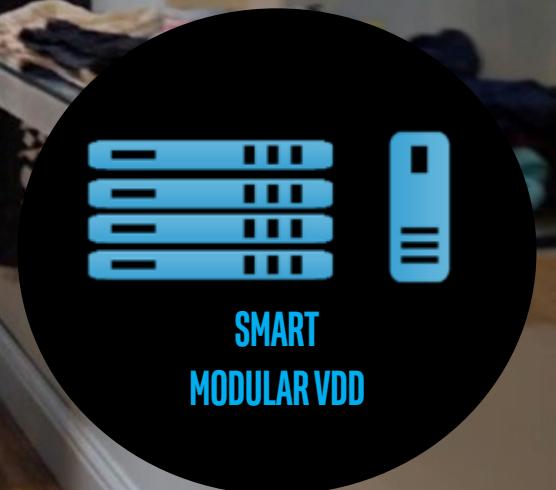


SMART MODULAR VDD FOR EDGE COMPUTE

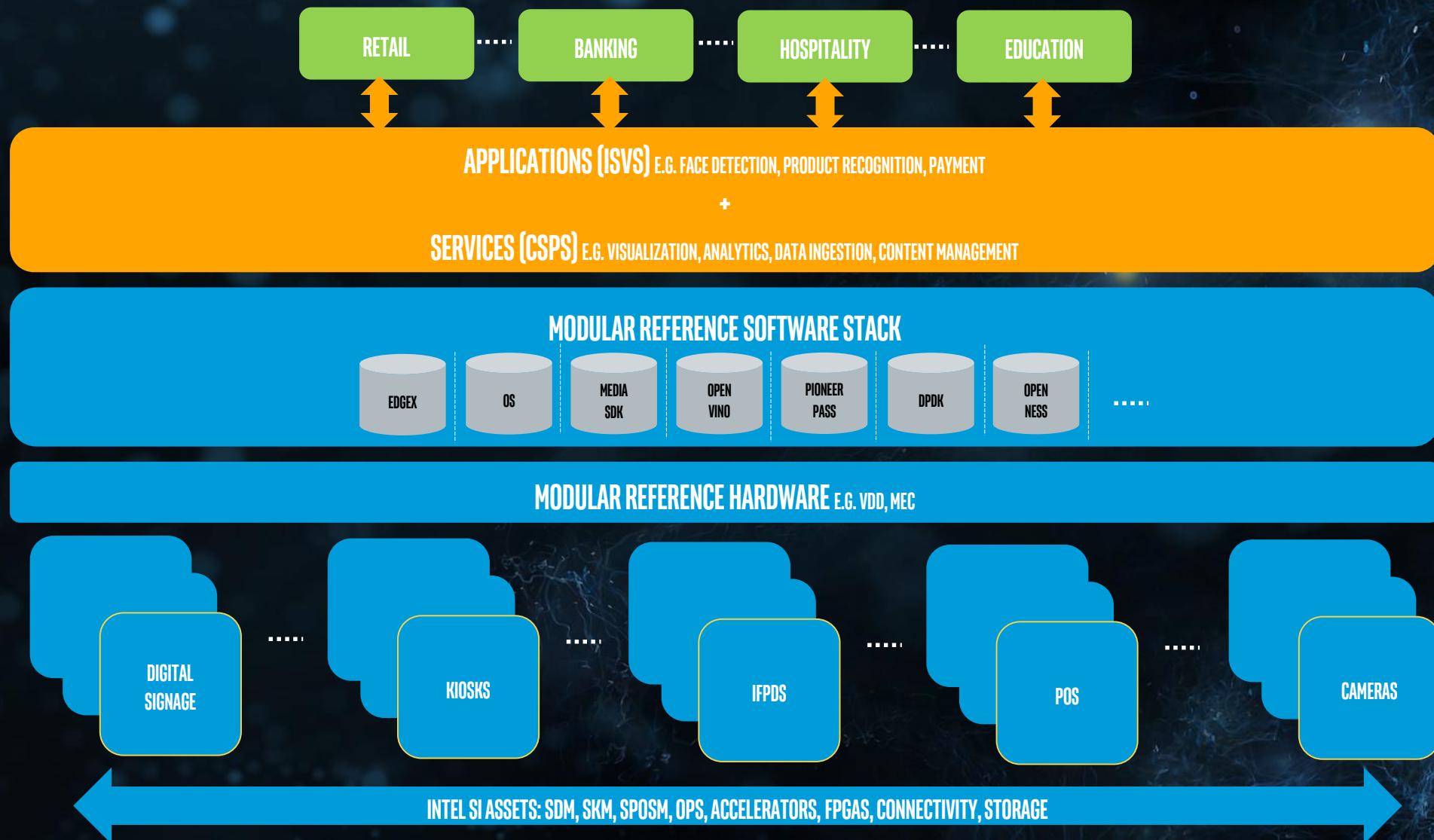
SCALABLE, CUSTOMIZABLE AND MULTIPLE APPS

SPECIFICATION AVAILABLE UNDER LICENSE

- **SMALL** (*100MM X 280MM X 39.2MM*)
- **LARGE** (*138MM X 280MM X 39.2MM*)
- OTHER FF TO FOLLOW



VISUAL SOLUTIONS WORKLOAD CONSOLIDATION PLATFORM FRAMEWORK



WORKLOAD CONSOLIDATION IN ACTION

COMPUTER VISION BASED VENDING



OpenVINO™



VS SOLUTION ROADMAP: SILICON AND FORM FACTORS

| Silicon Roadmap Highlights | 2019 | | | | | | 2020 | | | | | |
|---|---|--|---------------------------------|---------------------|--|--|--|-------------------------|--|-----------------------------|--|--|
| | Q3 (or earlier) | | | Q4 | | Q1 | | Q2 | | Q3 | | |
| | Compute | Vision Accelerators | Connectivity | | | | | | | | | |
| Compute | APL-I (E Series) | Whiskey Lake (Core U) | CoffeeLake R (Xeon E, Core S/H) | | | Stratix 10 FPGA (PCIE card) | Elkhart Lake (N & J series) | Elkhart Lake (E series) | | Comet Lake (Xeon E, Core S) | | |
| Vision Accelerators | Arria 10 FPGA (PCIE card) | Myriad X based accelerators (PCIE card, miniPCIE, m.2) | | | | | | | | | | |
| Connectivity | AC 9260 WiFi/BT (discrete) | AC 9560 WiFi/BT (integrated) | AX200 WiFi6 (discrete) | XMM 7560 LTE (m.2.) | | | | | | | | |
| Form Factors (Specs, Reference Designs) | Intel® Smart Display Module (Small & Large) | | | | | Intel® Smart VDD Module (PRC Education & Retail) | Intel® Smart VDD Module (Other Verticals & WW) | | | | | |
| | Intel® Smart Kiosk Module | | | | | | | | | | | |
| | OPS family | | | | | | | | | | | |
| | Intel® Smart VDD Module | | | | | | | | | | | |
| Vertical Specific Reference Designs/ Solution recipes | Intelligent Vending | Smart Vending Phase1: HW | | | | | | | | | | |
| | Eagle Bend IA+FPGA (Video walls) | | | | | | | | | | | |

(*)Date shown for Silicon items marked as In Development is start of "In Development" status on IOTG roadmap or similar.



Launched

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VS SOLUTION ROADMAP: ENABLING SOFTWARE

| | 2019 | | | | 2020 | |
|---------------------|---|---|---|--|---|-------------------------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| <i>Reference SW</i> | <div style="display: flex; justify-content: space-around;"> <div>MARS (Windows)</div> <div>MARS (Linux)</div> <div>Sunset Pass</div> </div> | | | <div style="display: flex; justify-content: space-around;"> <div>MARS (OpenVINO, Linux)</div> <div>MARS (OpenVINO, Windows)</div> </div> | | |
| | | | E2E media & inferencing tests (Good/Better/Best Recommendations) | | | |
| | | Pioneer Pass + Four Wells EA Enabling | | Pioneer Pass | Pioneer Pass + Four Wells | |
| <i>OS</i> | <div style="display: flex; justify-content: space-around;"> <div>Win10</div> <div>Linux (Ubuntu)</div> </div> | | Chromium build (Linux) | Native Android w/Celadon (Whitepaper) | Virtualized Android with ORI (RSD effort) | Chromium build (Win) |
| <i>Analytics</i> | | <div style="display: flex; justify-content: space-around;"> <div>Video (Education)</div> </div> | <div style="display: flex; justify-content: space-around;"> <div>Video (Corporate)</div> <div>Audio (Education)</div> <div>OCR (Education)</div> </div> | <div style="display: flex; justify-content: space-around;"> <div>Video (AutonomousX)</div> <div>Audio (Corporate)</div> <div>OCR (Non-math)</div> </div> | | |
| | | | Enable Ecosystem Partners with Algorithms | | | |
| <i>Pathfinding</i> | | | | <div style="display: flex; justify-content: space-around;"> <div>Payments (QR codes)</div> <div>Payments (Cash Enablement)</div> </div> | | |

Launched

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