

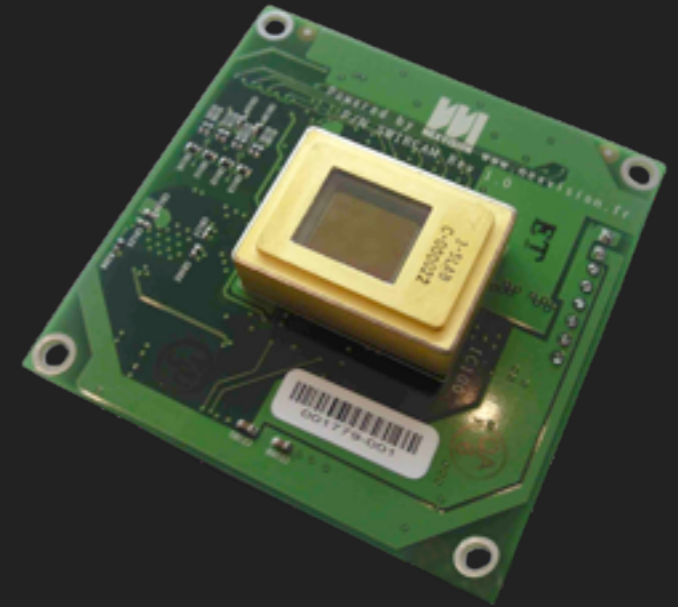
**CAM
MASTER**



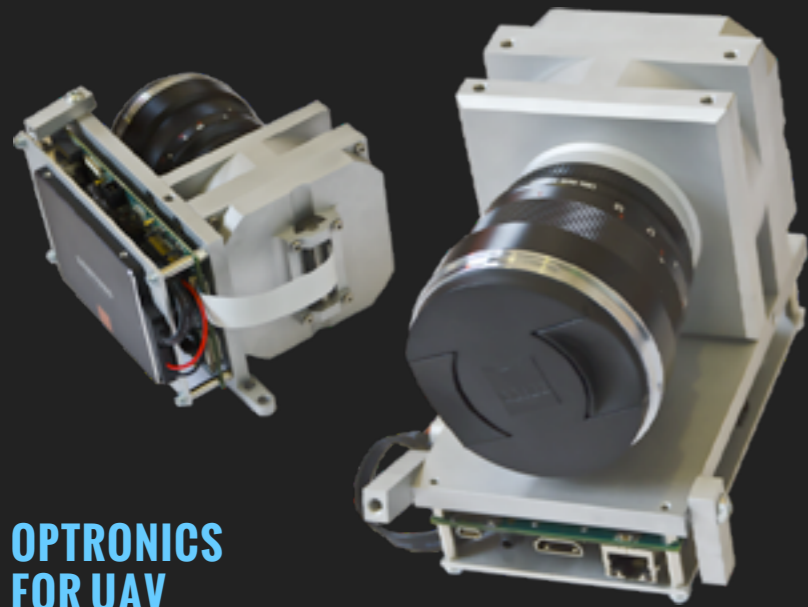
**CAM
SMOOV+**



**IMA
SWIR**



**OPTRONICS
FOR UAV**



**EXTREME SPORT
VIDEO CAMERA**



**EXPERT IN OPTRONIC SYSTEM
REFERENCE DESIGN**

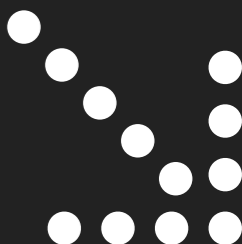


**NEXVISION
ELECTRONIC
REFERENCE DESIGN**



EXPERTISE

**NEXVISION IS AN OPTRONIC DESIGN HOUSE.
WE DESIGN CUTTING-EDGE VISION SYSTEMS.**



OPTRONICS WE DESIGNED



SECURITY
DEFENSE
AEROSPACE



SMART HOME SMART CITIES



CINEMA MEDIA



INDUSTRIAL INSPECTION



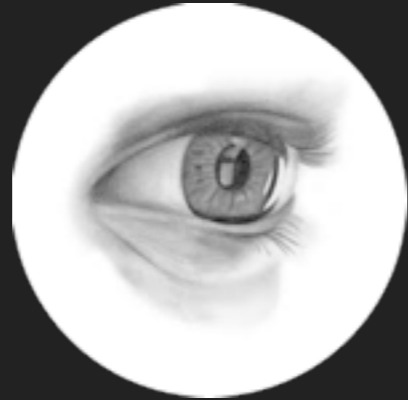


WE HAVE A LEADING-EDGE EXPERTISE IN MULTISPECTRAL BAND IMAGE SENSOR

UV



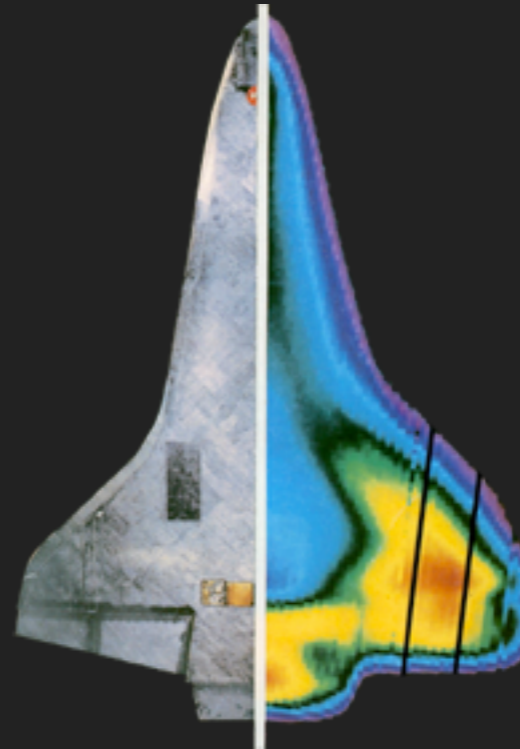
VISIBLE



SWIR



**LWIR/
THERMAL**



TERAHERTZ



NIGHT



PROCESSING BOARDS

SUMMARY



NEXVISION ELECTRONIC REFERENCE DESIGN

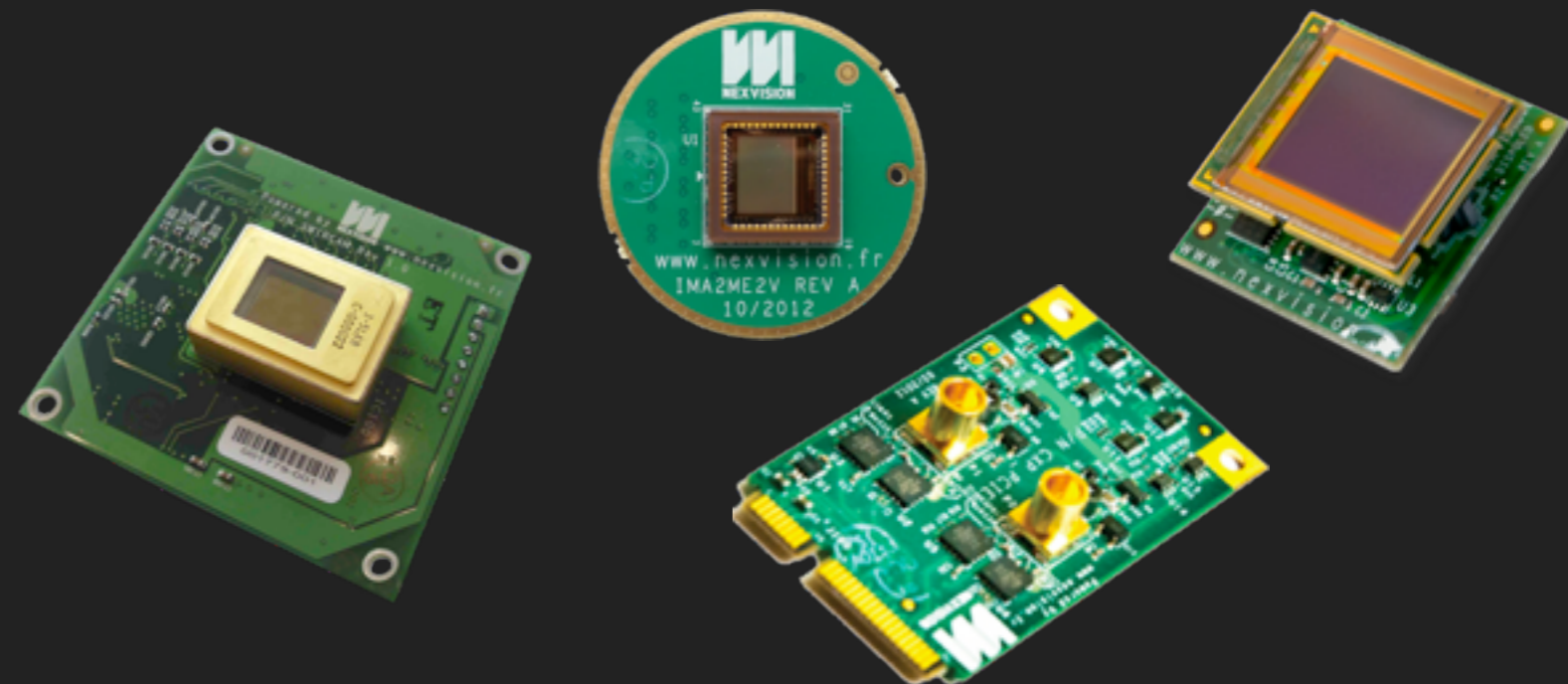
VIDEO PROCESSING BOARDS

- ▶ HIGHEND PROCESSING BOARDS
 - CAM MASTER +
 - CAM MASTER
- ▶ MIDDLE RANGE PROCESSING BOARDS
 - CAM SMOOV+
- ▶ HYBRID PROCESSING / IMAGE SENSORS BOARDS
 - CAM GURU



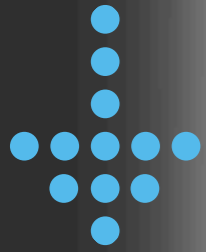
OPTIONAL MODULES

- ▶ VIDEO SENSOR BOARDS
- ▶ VIDEO INPUT BOARDS
- ▶ DISPLAY BOARDS
- ▶ INTERFACE BOARDS
- ▶ LIGHTING BOARDS



Nexvision is «early adopter» of TI & NVIDIA processors





CAM MASTER+

CAMERA
PROCESSOR

TEGRA K1
ULTRASCALE



REFERENCE DESIGN **CAM MASTER+**

CAMERA
PROCESSOR

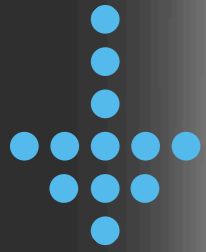


NVIDIA TEGRA K1 processor
+ XILINX ULTRASCALE FPGA



NVIDIA





CAM MASTER

CAMERA
PROCESSOR

DM8148
KINTEX 7



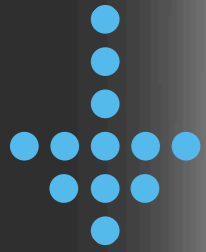
REFERENCE DESIGN CAM MASTER

CAMERA
PROCESSOR



DaVinci™ DM8148 + KINTEX 7





CAM SMOOV+

NETWORK
CAMERA

DM8148



REFERENCE DESIGN CAM SMOOV+ NETWORK CAMERA

DaVinci™ DM8148





REFERENCE DESIGN

CAM GURU

HYBRID CAMERA
PROCESSOR

KINTEX 7

+ FX3

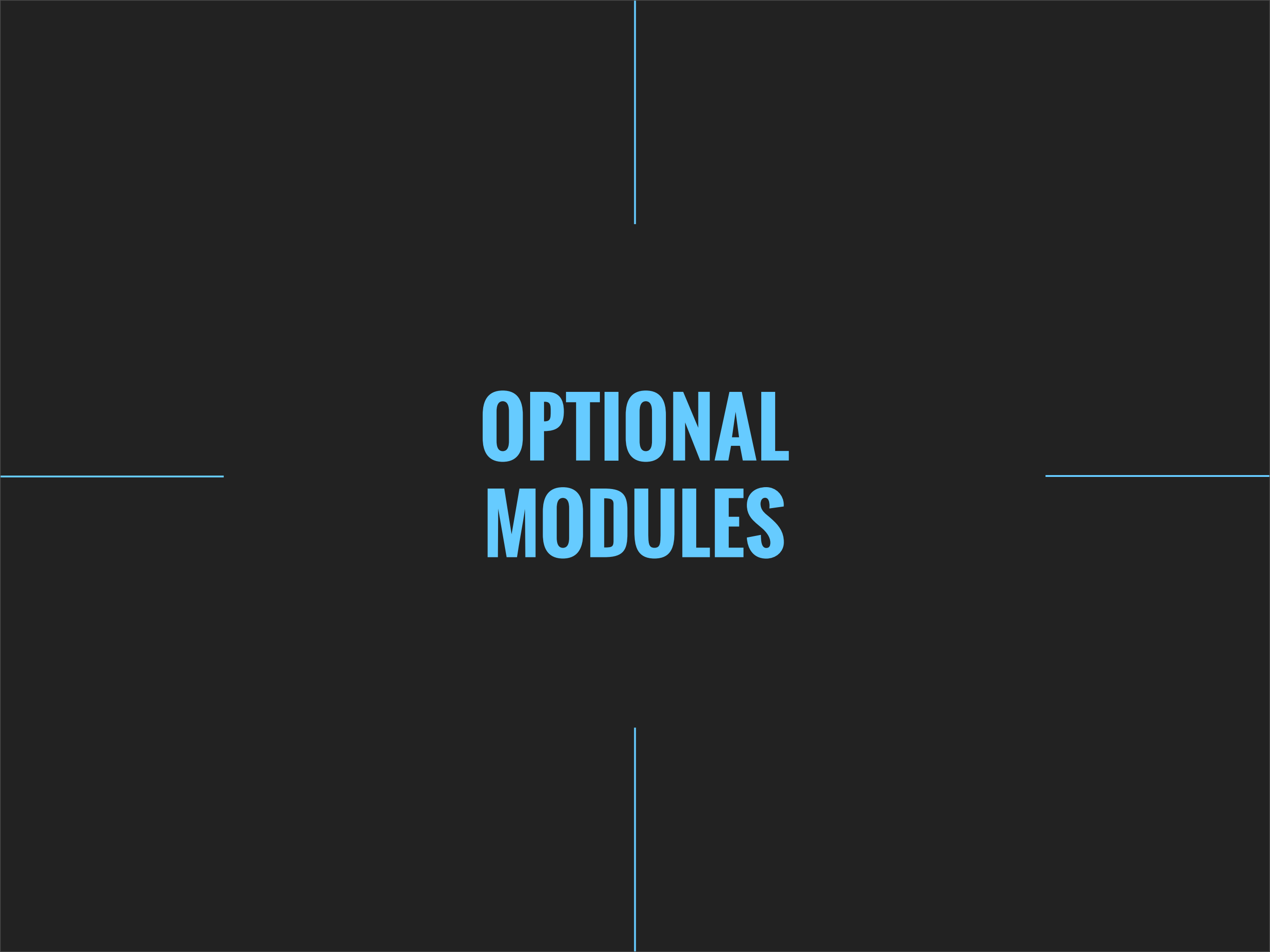
+ AR1011

CAM GURU

HYBRID
CAMERA
PROCESSOR

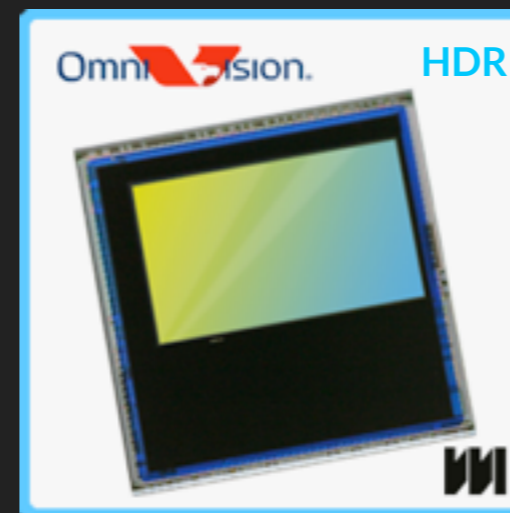
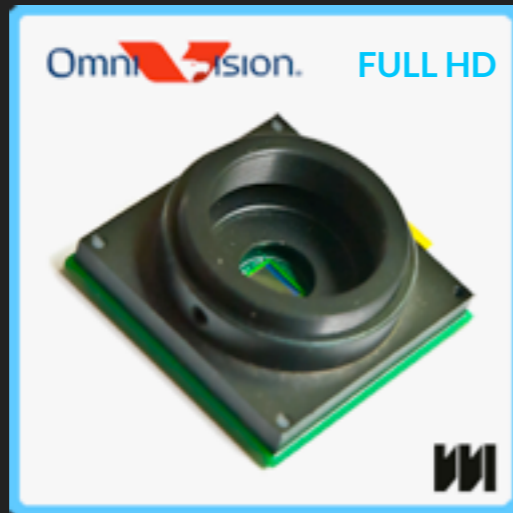
KINTEX 7
FX3
AR1011





**OPTIONAL
MODULES**

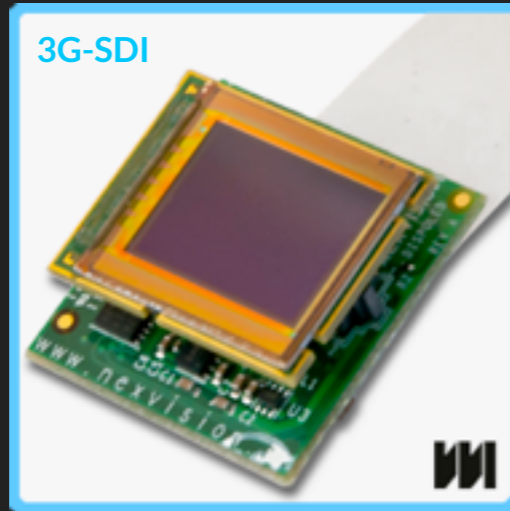
VIDEO SENSOR BOARDS



VIDEO INPUT BOARDS



DISPLAY BOARDS



DISPOLED

Microoled display module for head mount display and viewfinders.

- ▶ High end 5M subpixels display (Microoled's IZUMI), monochrome or color.
- ▶ Very small size module with configurable FPGA.

MORE



INTERFACE BOARDS



NVHD

- ▶ Dual video and IO link (NVHD type) used as input for video sensor, or output to microoled displays (see our DISPOLED module) Nb : dual NVHD link enables stereo video sensor capture or 3D display.

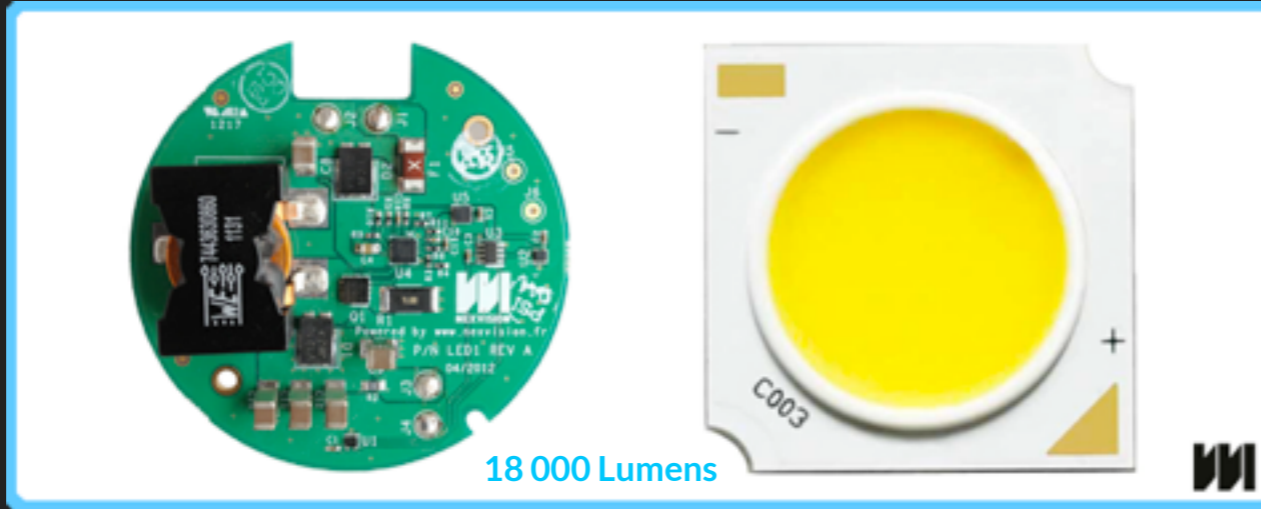
CXP PCIe

- ▶ 2 x Coaxpress receiver or transmitter (factory configured. can be one TX, one RX or dual TX or dual RX)

MULTILINK

- ▶ 9 x video and IO links (NVHD type) that can used as inputs for video sensor board or output to microoled displays (see our DISPOLED module) or link to another CPU board in the video processing flow

LIGHTING BOARDS



18 000 Lumens



A BETTER TTM FOR YOU!

**THANKS TO OUR REFERENCES DESIGNS
YOU CAN SAVE 30% TO 50%
IN DEVELOPMENT TIME.**

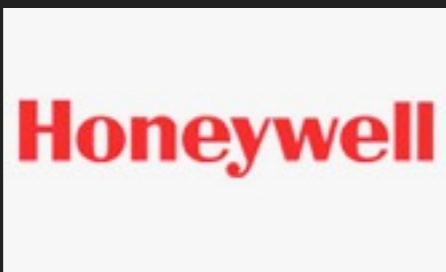
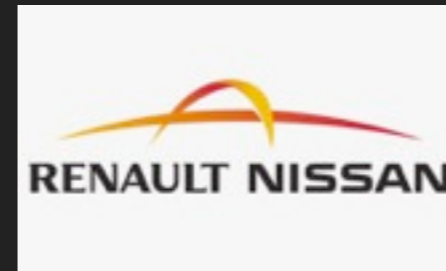
**CLASSIC
PROCESS**



**THANKS TO
OUR MODULES**



CUSTOMERS








TECHNICAL PARTNERS



COMPETITIVENESS CLUSTERS & LABORATORIES / FINANCIAL PARTNERS



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WEBSITE



NN

NEXVISION

OPTRONIC DESIGN