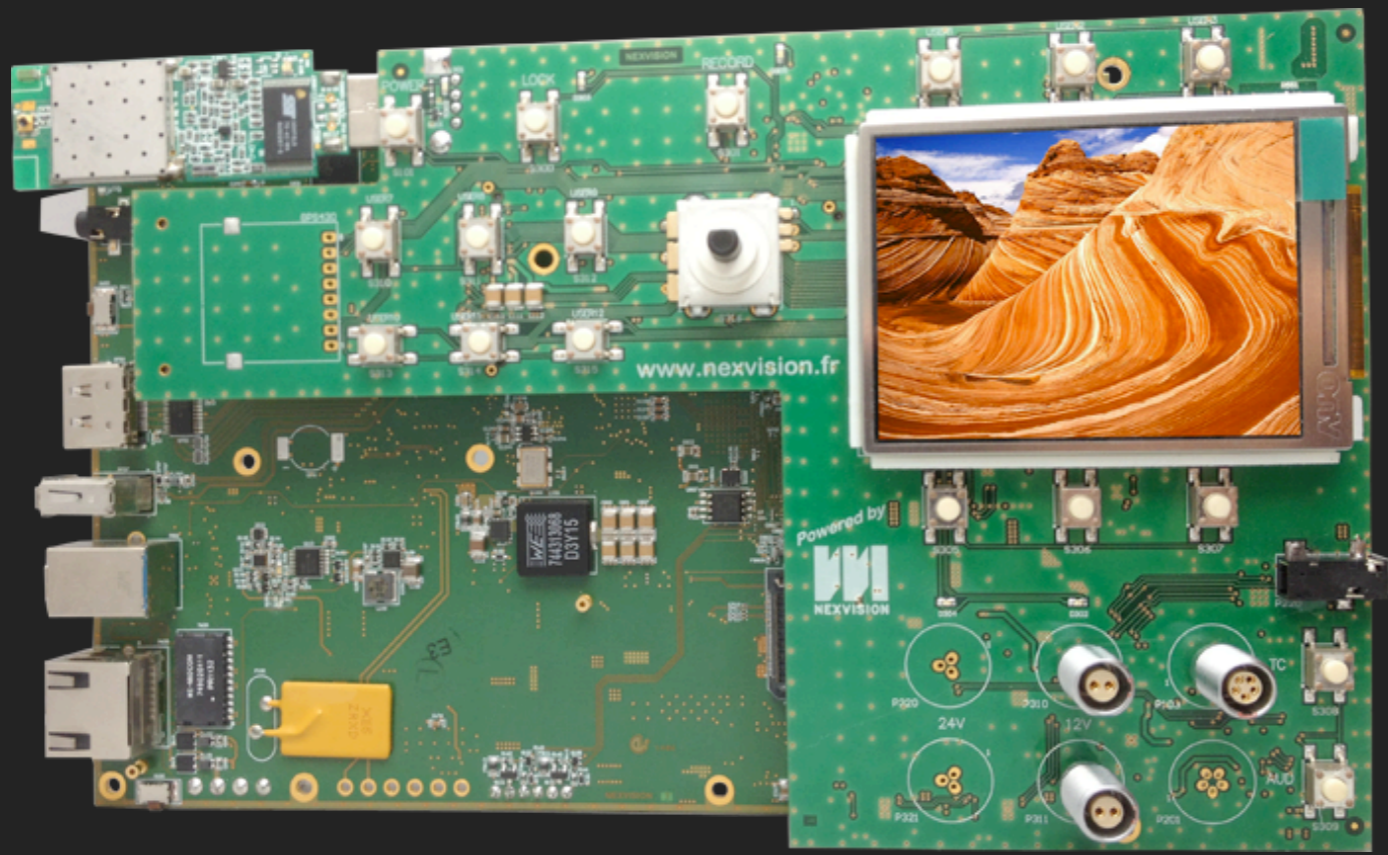


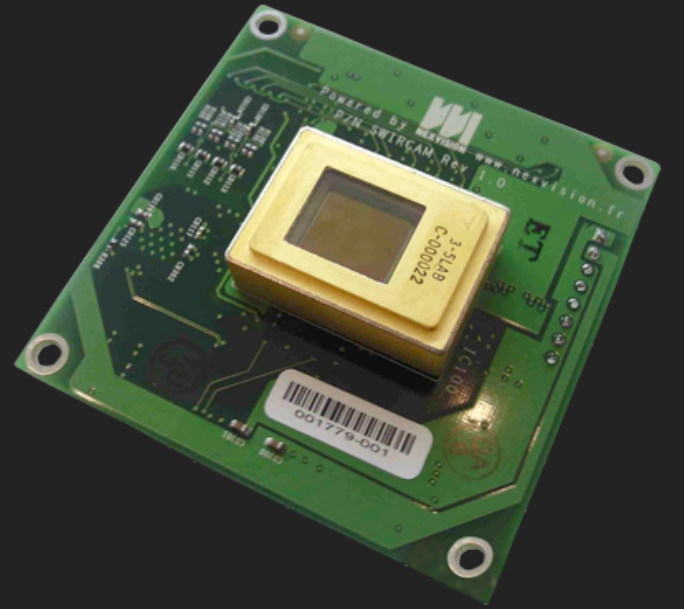
CAM MASTER



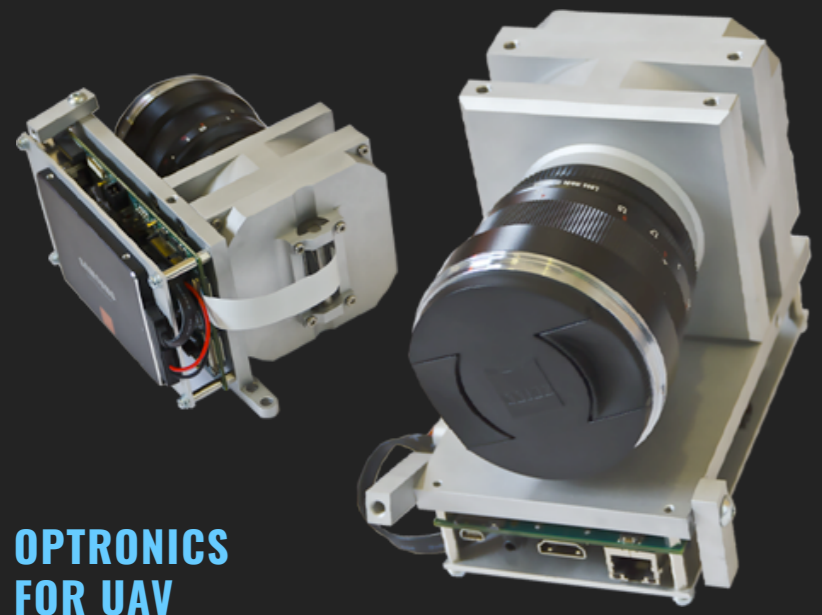
CAM SMOOV+



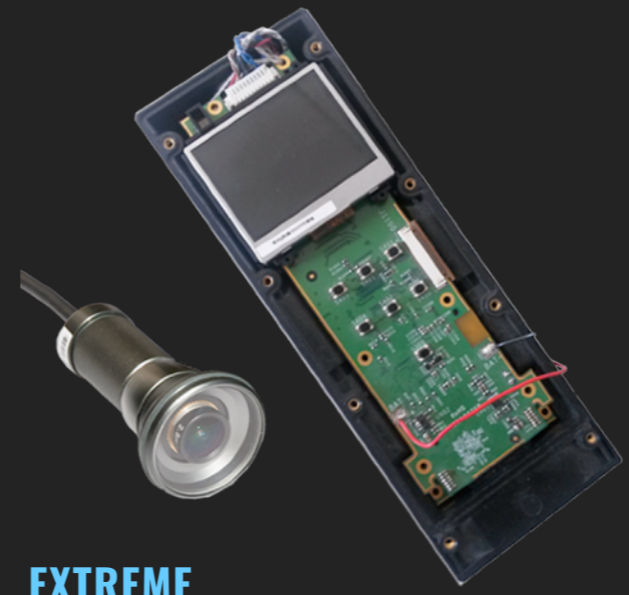
IMA SWIR



OPTRONICS FOR UAV



EXTREME SPORT VIDEO CAMERA



**EXPERT IN OPTRONIC SYSTEM
REFERENCE DESIGN**

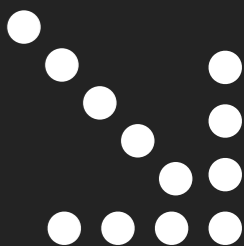


**NEXVISION
ELECTRONIC
REFERENCE DESIGN**



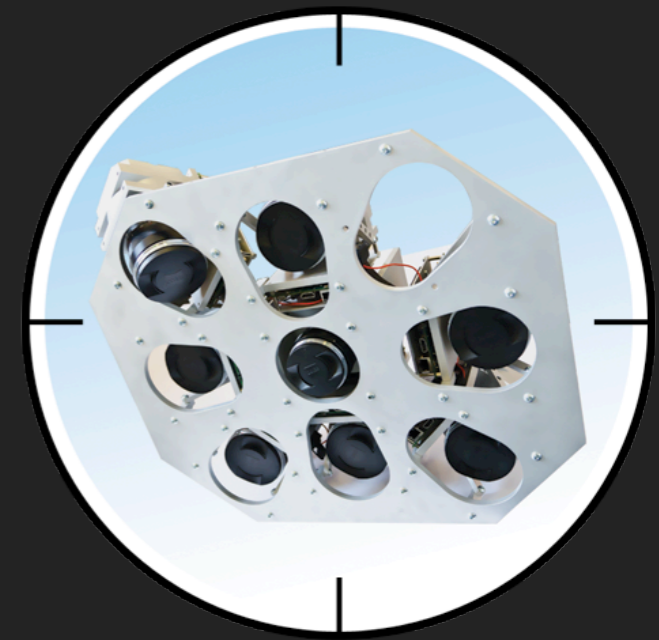
EXPERTISE

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





OPTRONICS WE DESIGNED



SECURITY
DEFENSE
AEROSPACE



**SMART HOME
SMART
CITIES**



**CINEMA
MEDIA**





OPTRONICS WE DESIGNED

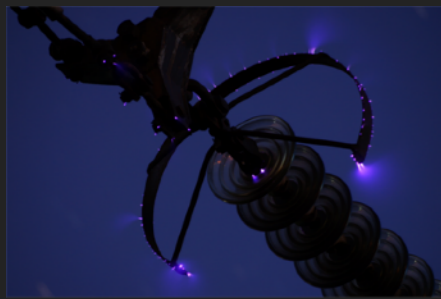
**INDUSTRIAL
INSPECTION**





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

UV



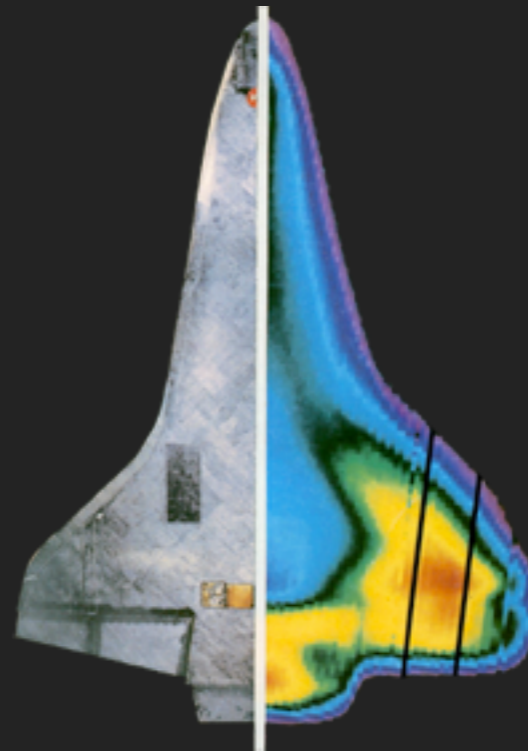
VISIBLE



SWIR



**LWIR/
THERMAL**



TERAHERTZ



NIGHT



PROCESSING BOARDS

SUMMARY



NEXVISION ELECTRONIC REFERENCE DESIGN

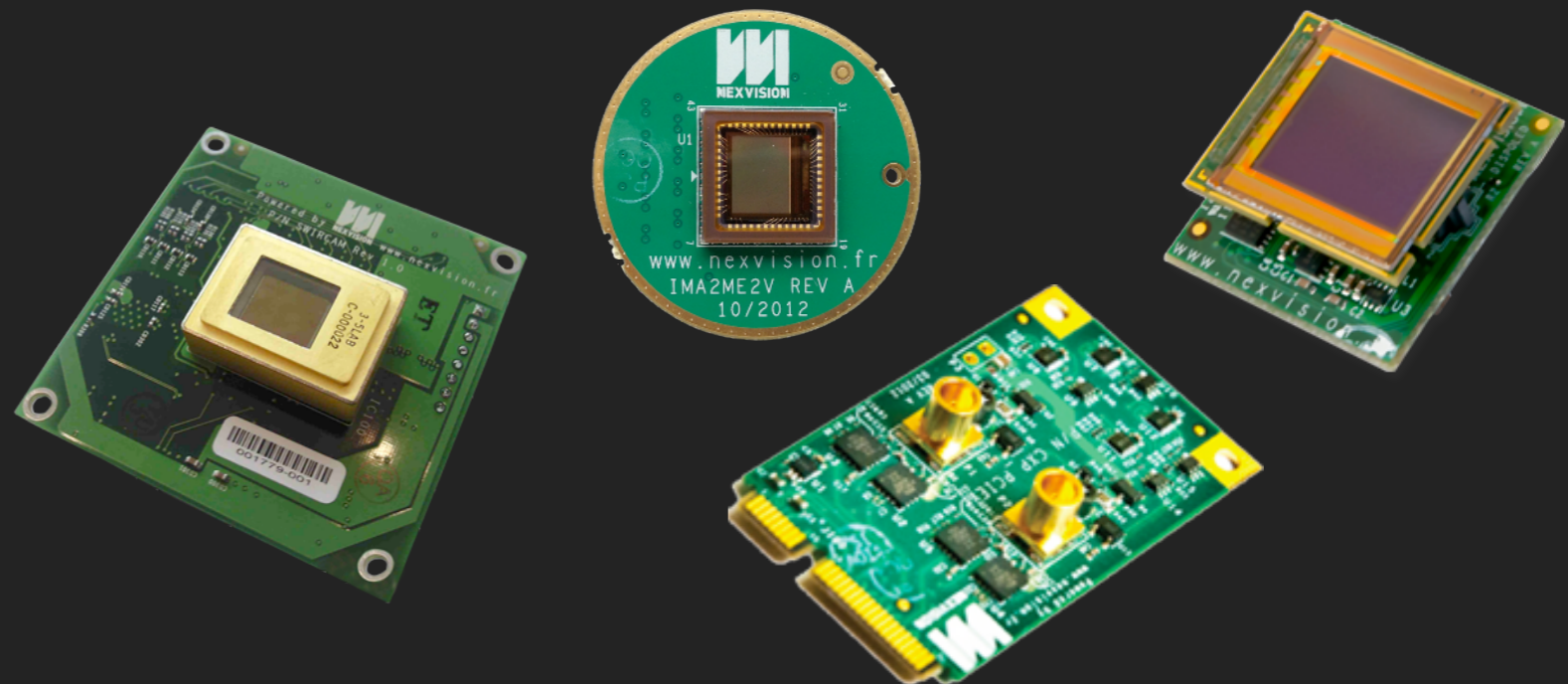
VIDEO PROCESSING BOARDS

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

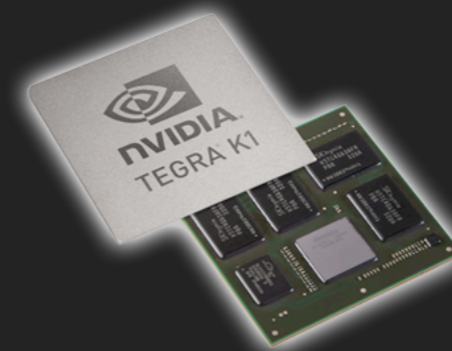


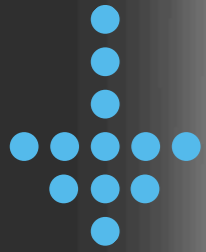
OPTIONAL MODULES

- ▶ 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

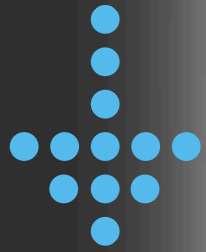


NVIDIA TEGRA K1 processor
+ XILINX ULTRASCALE FPGA



NVIDIA®





CAM MASTER

CAMERA
PROCESSOR

DM8148
KINTEX 7



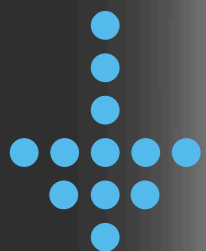
REFERENCE DESIGN CAM MASTER

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

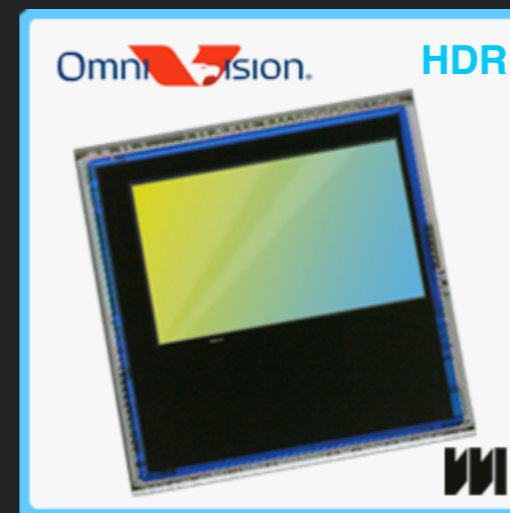
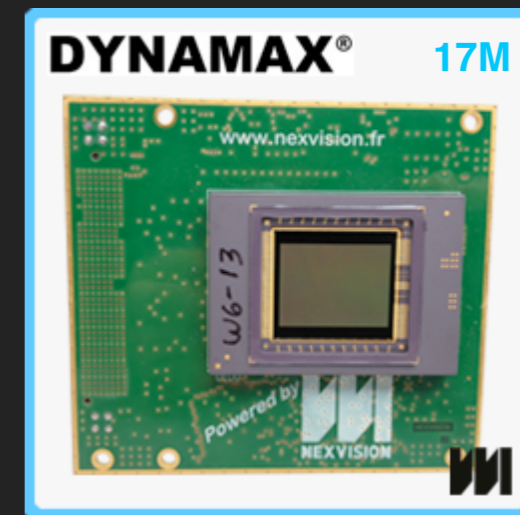
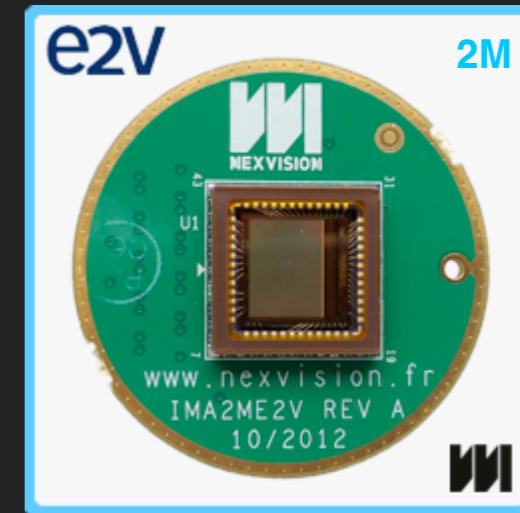
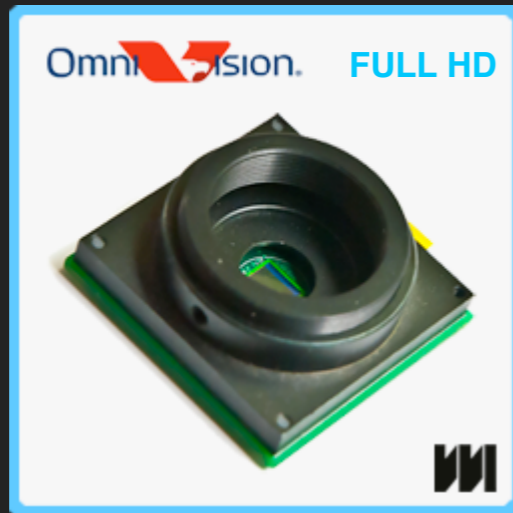
HYBRID
CAMERA
PROCESSOR

KINTEX 7
FX3
AR1011



OPTIONAL MODULES

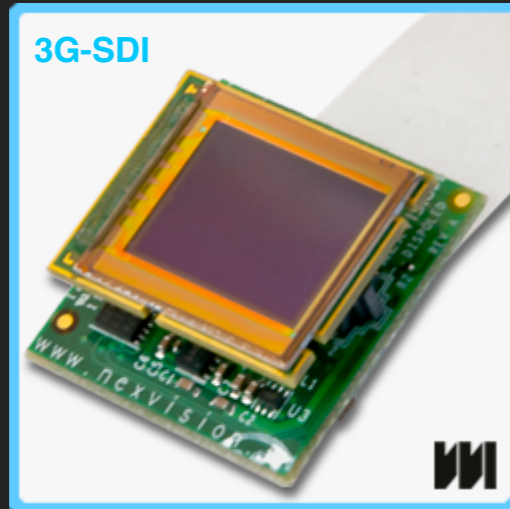
VIDEO SENSOR BOARDS



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.

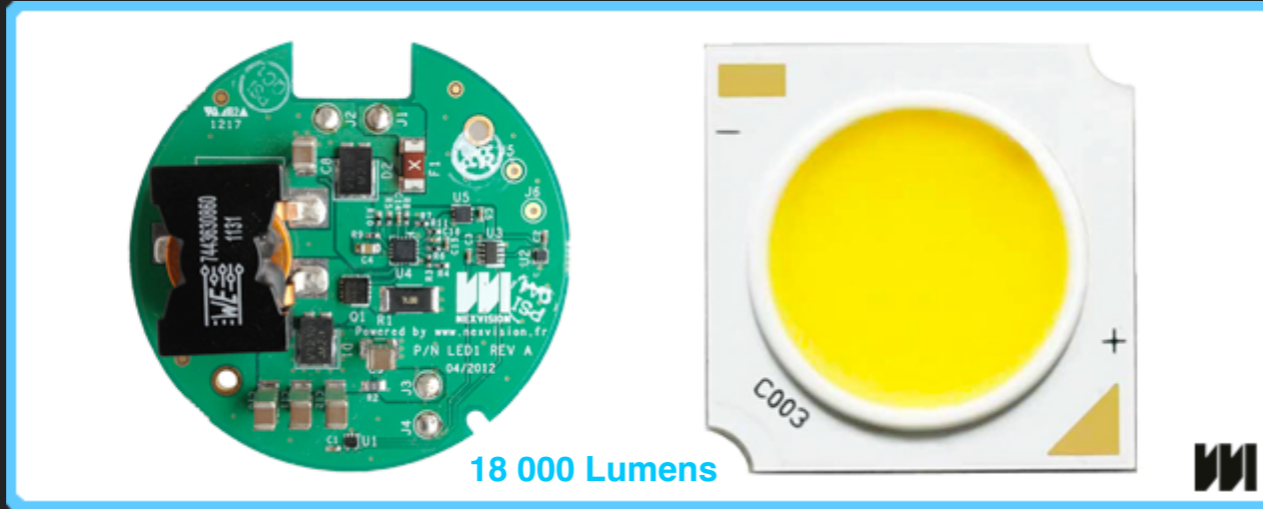
CXP PCIe

- ▶ 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

ZEISS

THALES

PHOTONIS

 **AIRBUS**
HELICOPTERS


DGA

EADS
ASTRIUM


RENAULT NISSAN

V.I.O. 

Honeywell

 **microoled**



angénieux
a Thales group brand

ZODIAC
AEROSPACE 



 **Novadem**

OTONOMY
AVIATION

III-V lab



TECHNICAL PARTNERS



COMPETITIVENESS CLUSTERS & LABORATORIES / FINANCIAL PARTNERS





<http://nexvision.fr>



contact@nexvision.fr



+33.4.91.77.62.86



[nexvision_](#)



Parc swen sud - Bât D2, Hall D4
1, bd. de l'océan - Imp. Paradou
13009 MARSEILLE
FRANCE

WEBSITE



The logo consists of two large, bold, white letters 'N' stacked vertically. The top 'N' is slightly offset to the right relative to the bottom 'N', creating a sense of depth and a modern, geometric aesthetic.

NN

NEXVISION

OPTRONIC DESIGN