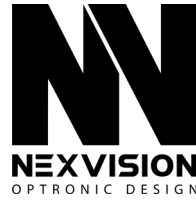


Orbital systems
Transversal competencies

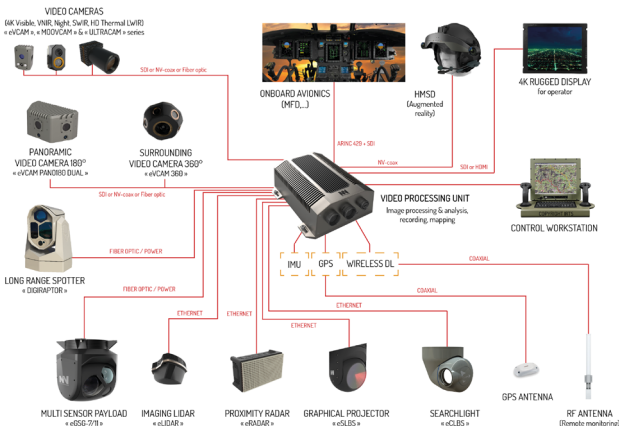


Nexvision is an optronics design house specialized in the design & production of embedded vision systems requiring high computing power up to 1000 Tops on 100 Gbits/s data stream, image sensors in all frequency bands and the fusion of different imagers technologies (video camera, radar, lidar). We design complete electronic systems, including the development of advanced image processing and analysis algorithms.

COMPETENCIES & CAPABILITIES

Our Engineering team masters the entire vision system architecture :

- Image sensors integration in multi-spectral band (UV, visible, night/VNIR, SWIR, Thermal MWIR & LWIR, Terahertz)
- High Performance Computing embedded electronic design (CPU/GPU/NPU/FPGA : Nvidia AGX orin, Xilinx Ultrascale+/Versal)
- Image processing & analysis software (you can find out our algorithms' library here : <http://nexvision.fr/solutions/modules/ip-core-fpga-libraries/>)
- Video streaming, video over IP & high speed real time transmission
- Photonics and optical design
- Electro-mechanical design



NEXVISION

PRODUCTS & SERVICES

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MAJOR SPACE PROJECTS & REFERENCES

For the past 4 years, Nexvision has been designing innovative on-board image processing electronics for LEO satellites and earth observation optronics (ex : DARWIN & ISAAC projects for CNES).

POINT OF CONTACT

ADDRESS Parc SWEN Sud - Bât. D2 Hall D4, 1, Bd de l'Océan - Imp. Paradou
13 009 Marseille - France

WEBSITE www.nexvision.fr

PHONE +33 (0)6 30 36 08 28

POINT-OF-CONTACT : CARRIER, Vincent, CEO, vincent.carrier@nexvision.fr

TURNOVER 3 M€

WORK FORCE 25 engineers

SPACE TURNOVER 0.8 M€

SPACE WORK FORCE 8 engineers