

nIT

NEW IMAGING TECHNOLOGIES

A WORLD LEADER IN **SWIR**
IMAGING TECHNOLOGIES



www.new-imaging-technologies.com

About Us

NEW IMAGING TECHNOLOGIES IS A LEADING MANUFACTURER OF SHORT-WAVE INFRARED (SWIR) AND HIGH DYNAMIC RANGE IMAGING SOLUTIONS.

NIT is a vertically integrated company, designing and manufacturing SWIR imaging sensors & cameras based upon InGaAs focal plane arrays (900-1700nm), within the growing and dynamic market of short wave infrared (SWIR) imaging.

While the applications of this technology has matured for years, applications are now available and recognized by multiple industries.

NIT has developed a line of products dedicated to these applications which has proven to be a growing success over the years. NIT is the only EU company to offer a SWIR megapixel array and camera at a pixel size of 10µm.

Moreover NIT has developed and invested into a manufacturing line of InGaAs sensors using a unique and proprietary technology capable of insuring the stacking of the InGaAs array with the CMOS read out circuit at a sub micron precision with extremely high yield.

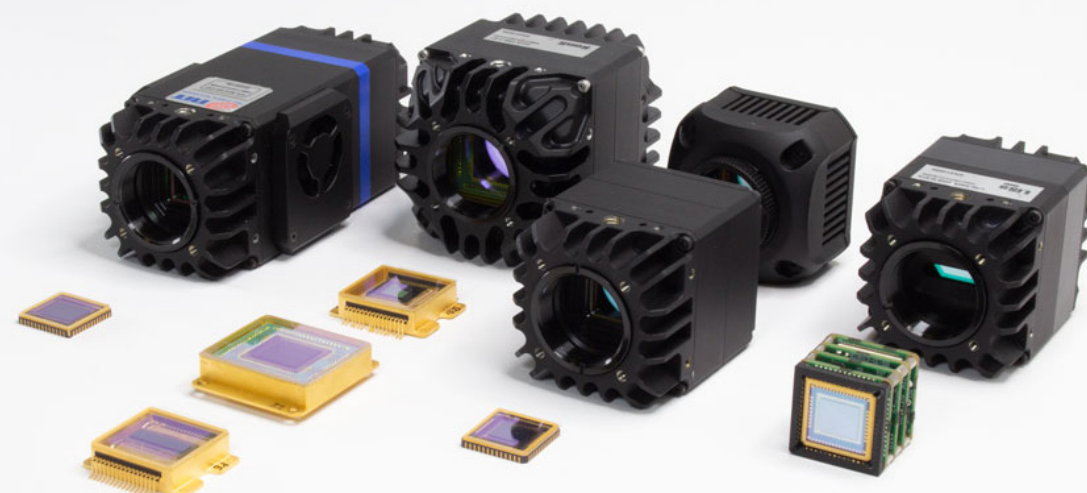
Located at the heart of the French technological center of Paris Saclay, NIT sells its products to a variety of international customers worldwide.



GLOBAL NETWORK

With partners in over 20 countries, we address most efficiently any commercial & technical support requests around the globe. Our network will ensure you always have a contact person near you.

+20
COUNTRIES



15 YEARS
EXPERIENCE

20
PATENTS

80%
INTERNATIONAL
SALES

Our Expertises

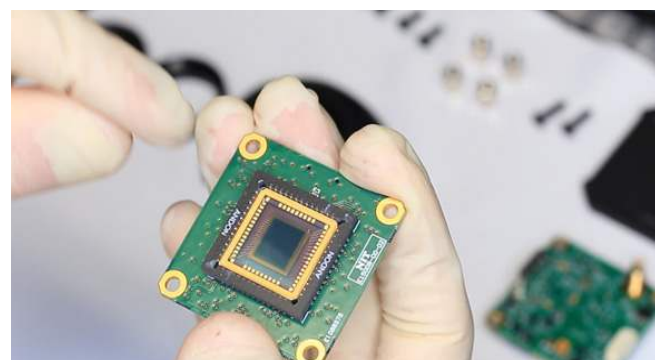
Our core team clusters experienced sensor designers, with a multi-disciplinary group of optical, mechanical, electronic engineers & software developers and production management.



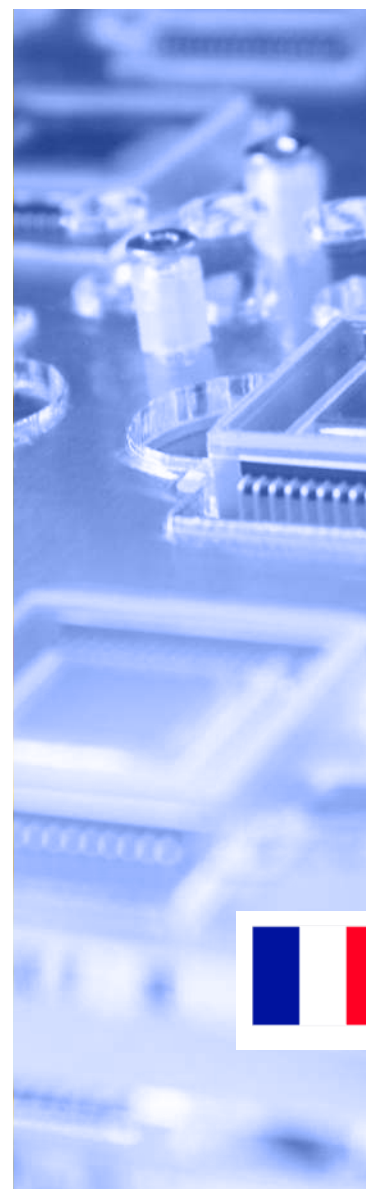
IMAGING SENSOR DESIGN



SENSOR MANUFACTURING



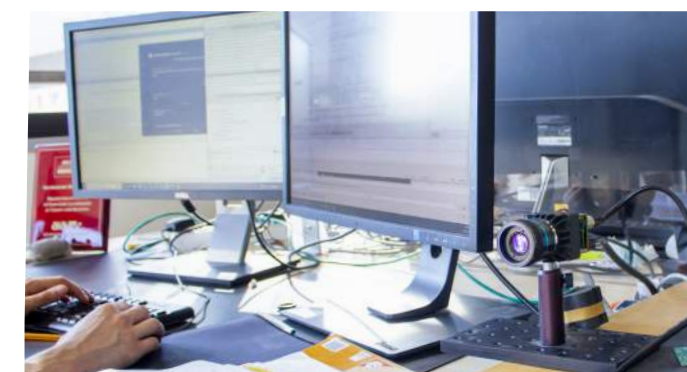
DESIGN & MANUFACTURING CAMERA ELECTRONICS



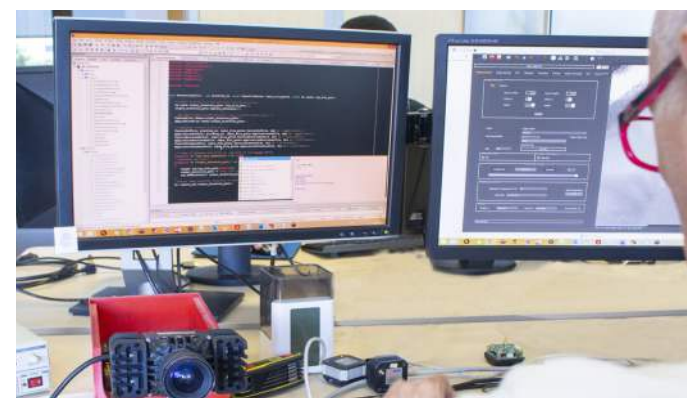
 **MADE IN FRANCE**



CAMERA ASSEMBLY & CALIBRATION



FIRMWARE DEVELOPMENT



SOFTWARE DEVELOPMENT

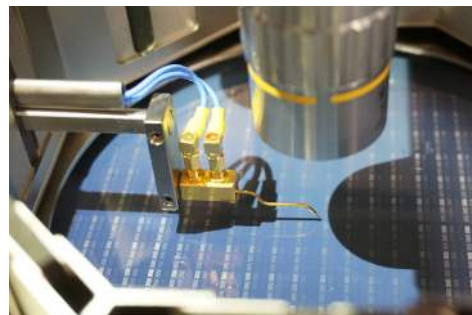
OUR TOTAL QUALITY MANAGEMENT FOR YOUR SATISFACTION.

We conduct tests to ensure our products meet the requests and requirements of our customers and be able to face highly challenging environments (shocks, vibrations, temperature gradients). NIT adheres to ISO9001.

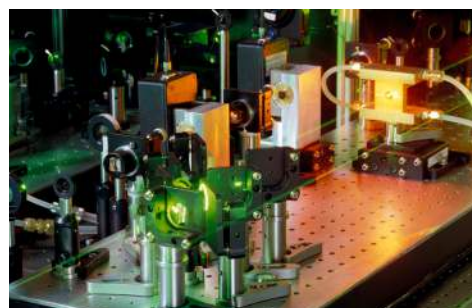


APPLICATIONS

NIT has been delivering imaging solutions to various applications for many years. Our technology brings unique imaging capabilities for a broad range of markets.



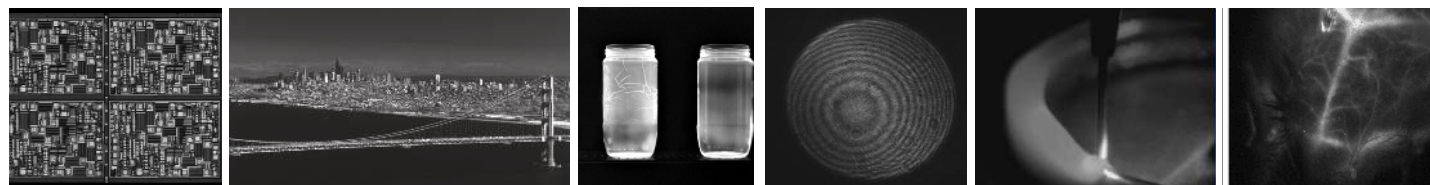
Enhance your vision with **SWIR** technologies



Machine vision & industrial applications | Semiconductor & wafer inspection | Security & surveillance | Hot glass inspection

Laser alignment & beam profiling | Laser beam tracking | Welding & additive manufacturing | Microscopy & life science

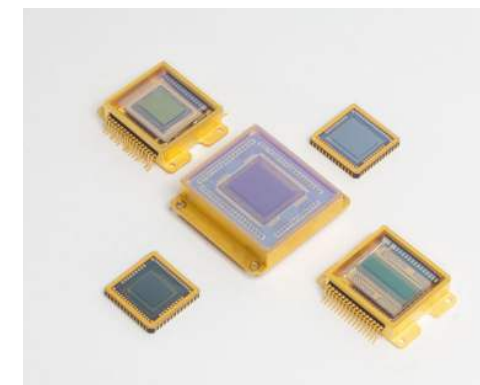
TYPICAL USES ACROSS APPLICATIONS



SWIR PRODUCTS

From TECless to Air-cooled InGaAs cameras

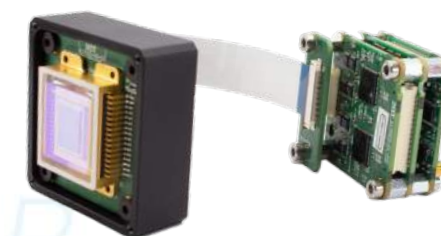
Our range of SWIR cameras and sensors are all designed and built in our factory. Made by using state-of-the-art InGaAs material, all our sensors are developed and manufactured using proprietary and innovative manufacturing platforms at our facility. From ROIC to camera engineering, including CMOS design and hybridization, NIT brings SWIR solutions with performances and cost-effectiveness in your hands. NIT proposes multiple standard video interfaces.



HiPe SenS 640



WiDy SenS HDR (120dB) & High Sensitivity





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