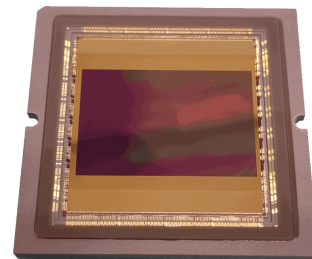


H I G H D Y N A M I C Newsletter

Feb. 2023



BEST WISHES FOR 2023!

LET'S MAKE THE UPCOMING
YEAR EVEN MORE SUCCESSFUL!

On behalf of the whole team, we want to wish you all our best wishes of health, happiness and great achievements for 2023!

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A STORY OF MEN AND WOMEN

ONE GREAT TEAM

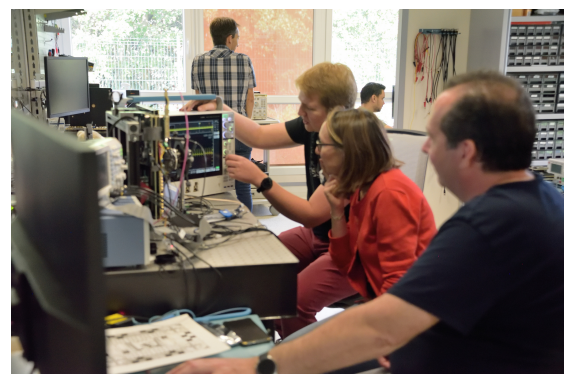
2010 : We were 8...

...experts who came together to create Pyxalis, driven by passion for innovation. We pooled our expertise in various domains of CMOS Imaging working tirelessly to develop cutting edge technologies.

After starting and developing the company during the first decade, we have set a new company project and enlarged our business offers with the development of our capability to manage production, off-the-shelf products and imaging solutions around sensor.

2023 : Here we are now 48!

Women and men composing our great team have unique expertise in high speed, low noise and high dynamic range products in global and rolling shutter architectures, are able to design tiny and very large sensors (e.g 1 sensor per 12" wafer) with on-chip image processing, 3D sensors...



OUR MISSION

THE IMAGE AT THE SERVICE OF THE PLANET AND THE PEOPLE

We strongly believe in building together new and inspiring imaging solutions dedicated to planetary and human issues by acting sustainably.

OUR CORE VALUES

3 PILLARS

At Pyxalis, we design and manufacture high-end CMOS image sensors. Imaging plays an increasing role in the challenges ahead of us all, this is why we believe that it is our responsibility to develop imaging solutions which help building a better, safer and healthier world with more harmony between people and our planet.

Our new company project engaged ourselves in the development of imaging products for applications in **Healthcare**, **Environment**, **People safety** domains and **Space** as a transversal domain.

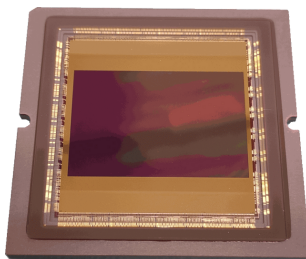
HEALTHCARE

ENVIRONMENT

PEOPLE SAFETY

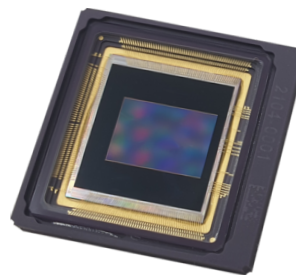


Aerospace, Environmental monitoring, high resolution Machine Vision, Consumer-Professional video, high end photo

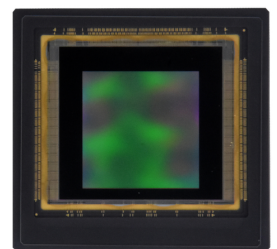


GIGAPYX 4600

Surveillance/Security -Intelligent Transport Systems, Surveillance systems



HDPYX 330-G



HDPYX 1600-G

OUR BRAND NEW DEMO-CAMERA

GENEPYX

Introducing the **GENE**ric **PYX**alis camera, our new demonstration tool able to feature our latest sensors such as the HDPYX330-G, HDPYX1600-G (both in mono and color) as well as the GIGAPYX4600 (both in mono and color).

This camera comes with a user-friendly interface and Windows-licensed driver, as well as a Software Development Kit for customers to create their own applications.

Easy to use, it can be connected to a laptop with a THUNDERBOLT®3 port for data transfer speeds of up to 20Gb/s, allowing a utilization of the HDPYX330-G in monochrome at full speed (200fps) and of the GIGAPYX4600 in RGB color at 28fps speed.

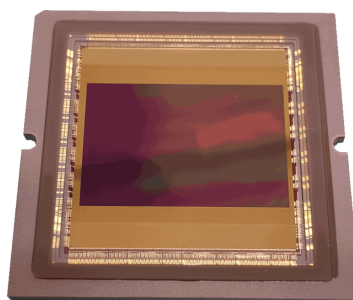


We put a little of our DNA in the design of our Demo-camera as a nod to the mountains surrounding Pyxalis and more generally to our commitment to sustainability.

LATEST NEWS

NEW SENSORS THAT FIT YOUR NEEDS

Introducing our new image sensor, a state-of-the-art device that boasts a large scale rolling shutter and a back-side illumination (BSI) design.



GIGAPYX
4600

This sensor is part of a family of products that has been carefully engineered to deliver exceptional performance. The 46 Megapixels introduced here (8K format -8320 pixels X 5456 pixels-, Full frame 35mm), can be extended by stitching up to 220 Megapixels. With its advanced technology and cutting-edge features (4.4 μm pitch, 150 fps full frame, High Dynamic Range up to 90 db), this image sensor is sure to meet the demands of even the most demanding applications.

If you're looking to enhance the performance of your imaging systems, this sensor is an excellent choice. Don't miss out on this exciting new addition to our product line! Click [here](#) to get more information.

PYXALIS PURSUES INNOVATION WITH THE RELEASE OF A WHITE PAPER ON BENEFITS OF RGB+NIR COLOR FILTER ARRAY

We just released a White Paper explaining the benefits of RGB+NIR Color Filter Array using our HDPYX230-G RGB+NIR image sensor for some dedicated applications.

Contact us to access this White Paper.



LET'S MEET !

2023 AGENDA

It is important for us to move around and meet up face to face with the image sensor community members. Always insightful presentations & discussions in the end !



PHOTONICS WEST - SAN FRANCISCO **28 January - 2 February**

We greatly appreciated the opportunity to share interesting insights with you. Thank you for visiting our booth and checking out our latest cameras and sensors! What a strong debut for our GIGAPYX4600!



IMAGE SENSOR EUROPE - LONDON **15-16 March**



IMAGE SENSING EXHIBITION - YOKOHAMA **14-16 June**



LASER WORLD OF PHOTONICS - MUNICH **27-30 June**

Looking forward to seeing you in person!

YOU HAVE A PROJECT THAT NEEDS A CUSTOM IMAGE SENSOR DEVELOPMENT, A STANDARD CMOS SENSOR OR A COMPLETE SOLUTION ?


WE MAY HAVE A SOLUTION FOR YOU.



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**DON'T HESITATE TO CONTACT OUR LOCAL PARTNERS
IF YOU HAVE ANY QUESTION**

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