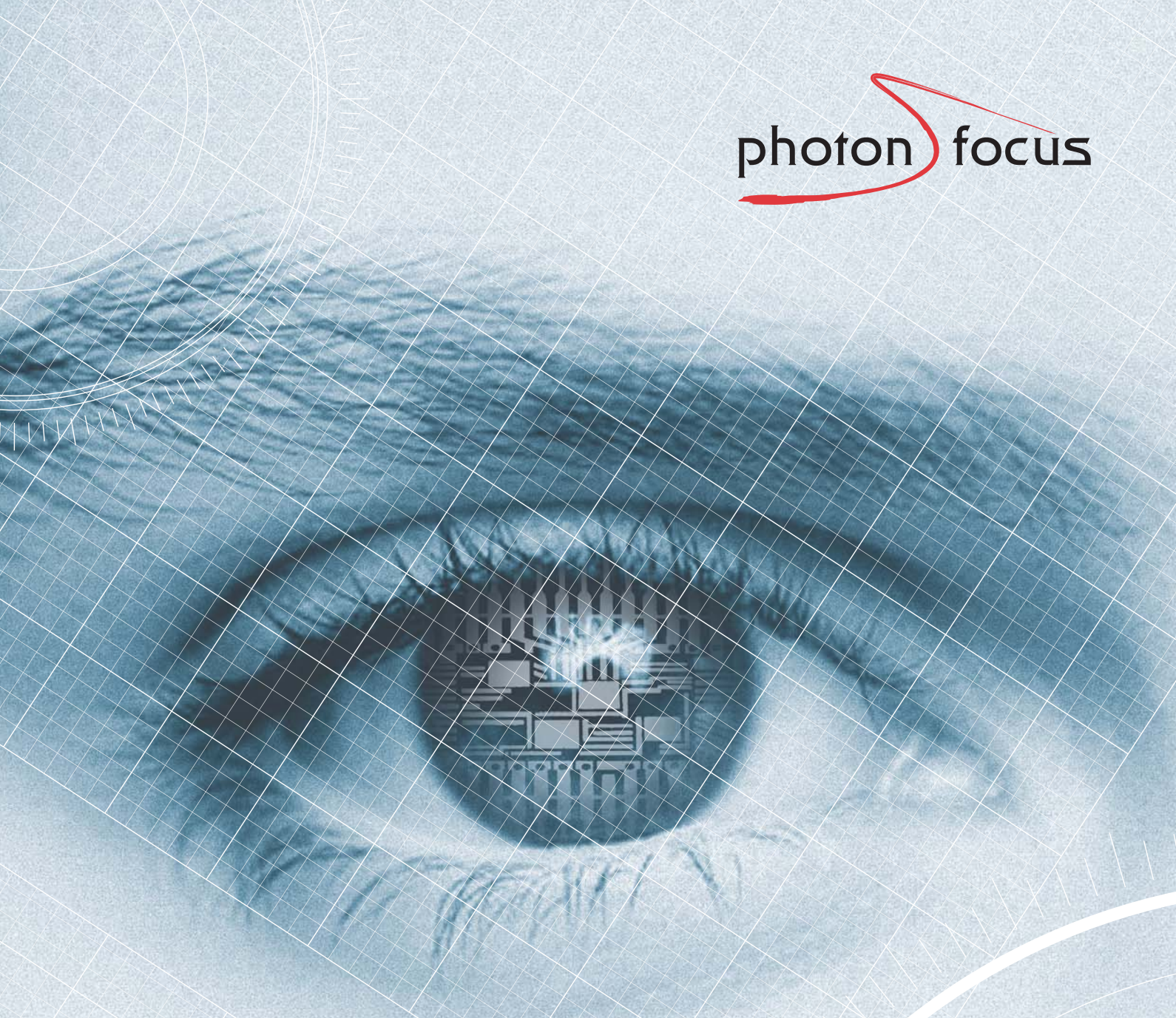
photon focus



THE PERFECT EYE

CMOS imaging for the future

THE CORE COMPETENCE

Leaders in CMOS Imager Technology

Increasing demand for high productivity, quality control and just-in-time production creates a new market for high-speed machine vision. Our core competence is the design and development of imagers and cameras, based on CMOS technology. Target markets such as machine vision, automotive, medical as well as security & surveillance offer a huge potential due to their increasing importance. Based on our skills and experience in the development of CMOS imagers, Photonfocus is aiming for leadership in industrial imaging technology.

"OUR CORE COMPETENCE IS THE DESIGN AND DEVELOPMENT OF CMOS IMAGERS AND CAMERAS."

THE COMPANY

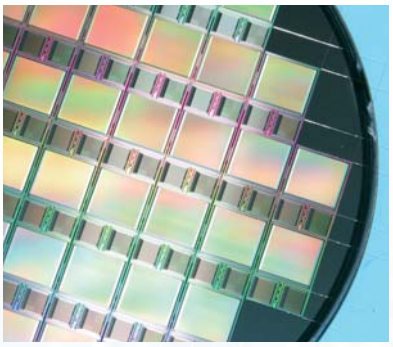
Fabless business model as our key to success

To reach our target of market leadership, Photonfocus uses a fabless business model to further enhance the focus on its core competence. Cooperation with world leaders in wafer fabrication ensures state-of-the-art process technology for our CMOS imagers.

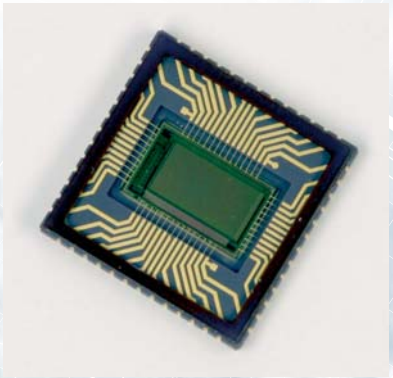
With our custom designed CMOS imagers, we can provide vision solutions incorporating the latest in imager technology without dependence on large-scale suppliers.

Photonfocus was founded in 2001 as a spin-off from the world renowned Swiss Center for Electronics and Microtechnology (CSEM). CSEM is famous for its long experience in imaging and CMOS technology.

Know-how and creativity on the one hand and customer-oriented thinking on the other result in products with market-relevant technology, functionality and high quality.



Wafer with CMOS imager



Automotive certified CMOS imager

THE TEAM

Know-how based

Our employees have long experience in industrial imaging technology. Very interesting on- and off-the-job training opportunities, a great work environment and an employee bonus system attract highly motivated employees. Our team consists of the very best in their fields: Chip & camera designers and specialists in production technology, project management and sales & marketing.

This highly motivated and professionally skilled team, together with detailed knowledge in the areas of our core competence, give us confidence in reaching our goal: leadership in CMOS imaging.

CMOS

Technology of the future

CMOS – the dominating semiconductor technology – reaches its full potential in photo-sensors. System integration is the key – the combination of high performance image sensors with complex microelectronic circuits on a single chip (SoC) whilst minimizing cost. The sensors are exceptionally fast. With frame rates of 1,000s of frames per second, extremely high contrast images in color and monochrome can be produced that even the human eye cannot assimilate. This fulfills all the requirements for automatic image processing and, in this area, Photonfocus has made its mark: in assembly robots, laser welding, quality control, automotive, surveillance and many other applications.

LinLog™

Better than the eye

Photonfocus sets new standards by virtue of its own, patented LinLog™ technique. The LinLog™ technology enables image contrasts of over 1,000,000:1 or 120dB to be achieved. This is the perfect solution for illumination conditions that are difficult to control or in cases of extreme dazzle. High read-out speed combined with a high dynamic range, synchronous shutter, fast pixel response and the absence of blooming are only some of the advantages of the LinLog™ technology.



Laser weld quality control

CAMERAS AND SENSORS

Diverse application areas

Through the combination of innovative technology and high quality, our products are employed principally in the following market segments:

– Industrial image processing
– Security and surveillance
– Automotive
– Medical

WHAT WE HAVE TO OFFER

Individuality allowed!

Customer and market orientation are our primary driving forces.
In addition to – Standard sensors
– Standard cameras
we can offer you solutions tailored to your needs.
To enable us to optimally target our products in an optimal manner at the intended application areas, we place great emphasis, during the development stage, on a flexible, adaptable design. The modularity of the cameras and sensors allows us to quickly realize affordable customer specific solutions. This individuality is very much appreciated by our customers.



High-speed CMOS camera

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