Fraunhofer IMS

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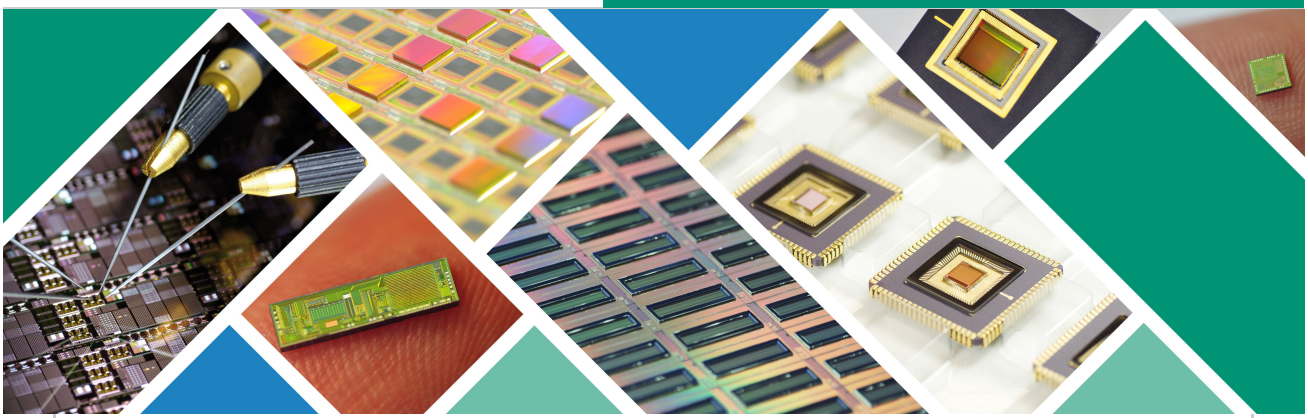


Dear Sir or Madam,

even Corona does not stop us from showing you our latest developments. See for yourself. If you are interested in detailed information, please contact us directly. Enjoy reading

Your Fraunhofer IMS Team

Optical sensor applications

Close-to-body-sensors for rapid isolation of Covid-19 patients

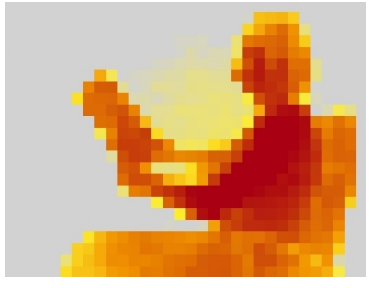
Distance – Hygiene – Everyday Mask: the most important to help prevent a Corona infection. The contactless acquisition of vital parameters of the Fraunhofer IMS can support doctors, hospital staff and nurses in determining important parameters of patients while keeping a sufficient distance.

MORE INFO | BUSINESS FIELD EAS

3D-Integration Technology

CSPAD αlpha

With the CSPAD αlpha the Fraunhofer IMS demonstrates for the first time a new, scalable 3D integration technology to combine single photon detectors with smart electronics in a chip stack on smallest space.



The very first LiDAR images illustrate the progress compared

to previous versions.

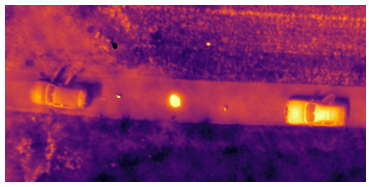
MORE INFO

BUSINESS FIELD CMOS IMAGE SENSORS

IRFPA application in space

Satellite-supported early detection of forest fires using uncooled IR image sensors

Due to climate change, the number of forest fires is increasing dramatically worldwide. A novel system of the company OroraTech consisting of small satellites with special infrared sensors from the IMS will soon enable an automated detection of fires from space.



MORE INFO

BUSINESS FIELD IR IMAGERS

III-V Semiconductors

Easy to use GaN power modules - Fraunhofer IMS is partner in the PENTA program »GaNext«

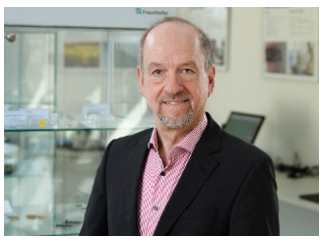
Efficiency! Power electronic systems based on GaN semiconductor devices are lighter, more compact, significantly efficient and potentially cheaper than solutions based on Si devices. In the field of electromobility, GaN semiconductors are already experiencing strong growth. They are just gaining a foothold in other markets.

GaNext

MORE INFO

BUSINESS FIELD ASICS

Contact



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The Fraunhofer-Gesellschaft is the leading organization for applied research in Europe. Its research activities are conducted by 72 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of more than 26,600, who work with an annual research budget totaling more than 2.5 billion euros. Of this sum, more than 2.1 billion euros is generated through contract research. Around 70 percent of the Fraunhofer-Gesellschaft's contract research revenue is derived from contracts with industry and from publicly financed research projects. International collaborations with excellent research partners and innovative companies around the world ensure direct access to regions of the greatest importance to present and future scientific progress and economic development.

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