



trinamiX

A brand of  
BASF – We create chemistry

# We bring near infrared spectroscopy into mobile consumer electronics

## Advanced chemometric power in a revolutionary small form factor

With our available solution for professionals, we have made NIR spectroscopy affordable and accessible beyond factory and laboratory applications. It unites all the important competences: high-performance mobile hardware, sophisticated chemometrics and actionable results via app. **We are now taking mobile spectroscopy a huge step further: by seamlessly integrating it into smartphones and wearables.**



### ✔ Actionable results & recommendations

Our miniaturized NIR solution will empower consumers to improve their health, fitness and well-being by simply pointing their smartphone to their skin. The app provides tailored, individual advice.



### ✔ Non-invasive measurement of biomarkers

Future consumer electronics will be equipped with a subtly integrated, full-performance NIR module by trinamiX. It analyzes and evaluates relevant health and beauty biomarkers in skin.



### Find out more

about trinamiX's NIR spectroscopy solution for consumers

## We make the invisible visible

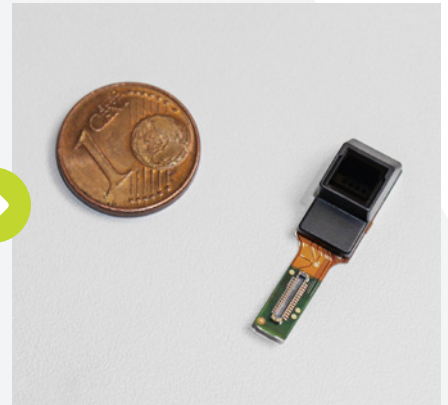
trinamiX is successfully pioneering the miniaturization of NIRS



Regular tabletop device



trinamiX's mobile solution



Current smartphone prototype

By miniaturizing our hardware, enhancing our spectroscopic analysis and further improving our algorithms, we will enable consumers to easily measure relevant health and beauty biomarkers and to receive tailored, individual advice – fully based on their smartphone.

### ✔ Smartphone form factor

Final module size is less than current prototype of 13 x 6.7 x 4.9 mm

### ✔ Unique detector

Module incorporates our patent protected sensor chip

### ✔ Industrial production

Module can be produced in large-scale volumes

### ✔ Full spectroscopic design

Including IR sensor chip, ASIC, light filter, light source, assembly

### ✔ Wide spectral coverage

Covers wavelengths between 1 – 3  $\mu\text{m}$

#### About trinamiX

trinamiX GmbH develops cutting-edge biometric solutions and infrared sensing solutions for use in both consumer electronics devices and industrial designs. The company's products enable humans and machines to better capture data, with the goal of understanding the world around us. This results in improved decision-making as well as stronger biometric security.

trinamiX, based in Ludwigshafen, Germany was founded in 2015 as a wholly owned subsidiary of BASF SE. The company employs around 200 people worldwide and holds more than 300 patents and patent applications.

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