

trinamiX

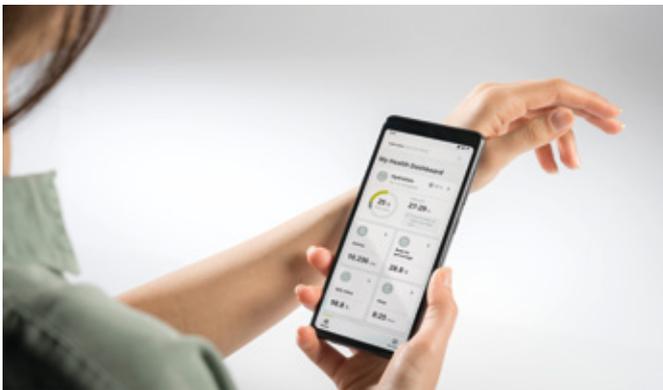
A brand of
BASF – We create chemistry



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 and fitness by simply pointing their smartphone to their skin. The app provides tailored, individual advice.



✔ Non-invasive measurement of biomarkers

We allow for the NIR analysis of biomarkers in skin without puncture or lab analysis. Regulating the individual hydration level, for example, helps to improve the personal fitness and brain power.



Find out more
about trinamiX
Consumer Spectroscopy

We make the invisible visible

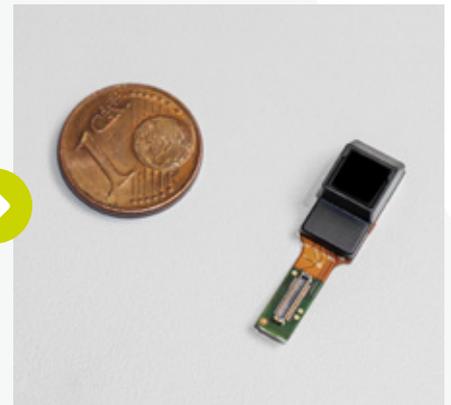
trinamiX is successfully pioneering the miniaturization of NIRS



Regular tabletop device



trinamiX's mobile solution



Current smartphone prototype by trinamiX

By miniaturizing our hardware, enhancing our spectroscopic analysis and further improving our algorithms, we will enable consumers to easily measure health and fitness indicators (biomarkers) in skin and to receive tailored, individual advice – fully based on an integrated NIR module in their smartphone.

✔ **Smartphone form factor**
First reference design is only
10 x 10 x 5 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,
package

✔ **Wide spectral coverage**
Covers wavelengths between
1 – 3 μm

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.

trinamiX GmbH

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