

Million-times proven reliability and quality

Key features

- Real time measurement results
- Proximity and gesture recognition
- Immunity against ambient light
- Scalable solutions for different display sizes
- Outstanding sunlight immunity

Profit from our experience

- Worldwide #1 supplier for gesture ICs
- More than 40 million ICs are in the field
- More than 10 years of experience
- Ready for super flat and small PCB designs
- Easy to use demonstrators and evaluation kits for all devices

Innovation in Gesture Control
Leading in HMI and User Experience (UX)





Reduction of PCB size



Scalable solution



Based on HALIOS® technology
>50 Million ICs already in the field

*How to make a lot happen
with a small gesture.*



Our solutions - Your benefits

- Proximity detection
- Gesture control
- Covers both near and far field
- Easy interaction with touch displays
- Higher flexibility
- Self calibration
- Highest robustness

- Easy to design detection areas
- Low current consumption
- High reliability in harsh automotive environment
- Fast response time
- Excellent cost-benefit ratio
- Unique IR-based scalable solutions

Elmos HALIOS® advantages

- Sensing up to 2 photo diodes
- Embedded LED drivers
- Reduction of required assembly (pick and place handling)
- Reduction of PCB size enables small design areas
- Intuitive touchless interaction
- Automotive qualified (AEC-Q100)

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Intuitive Touchless Interaction:
New Optical HMI Solutions by Elmos

▪ E909.21 HALIOS® GESTURE SENSOR
(to control light and sun roof)

▪ E527.04 HALIOS® RAIN AND LIGHT SENSOR
(to control the wiping system)

▪ E909.21+E909.22 HALIOS® GESTURE SENSOR
(to interact with the display GUI)

