



## Fitness & Healthcare Solutions





## Smart fitness applications

From fitness mirrors to fitness trackers and displays for a wide range of fitness equipment, our display solutions fit seamlessly into various sports applications and convince with their outstanding functionality, user-friendly operation and innovative features. Discover the versatility of our products for a first-class training experience!

## Market-specific challenges

Smart fitness applications must meet the demanding requirements of fitness training. Outstanding robustness and shock resistance are essential to withstand the stresses during sporting activities. At the same time, high touch sensitivity is crucial to enable fast and precise inputs, while unintentional inputs caused by sweat or wet hands are reliably detected and minimized. A clear display of training information and seamless communication with other fitness sensors such as heart rate monitors or GPS trackers round off the training experience. With our in-depth understanding of the specific challenges in the fitness and health industry, we are your reliable partner for customized solutions.



## Our solutions at a glance



### Excellent readability

- > Perfect colour representation
- > High contrasts, brightness & resolutions
- > Wide viewing angles
- > Anti-glare surface to reduce glare effects



### Reliable operation

- > Precise inputs thanks to PCAP sensors & latest touch controller
- > Optimal tuning of touch settings
- > Avoidance of false triggering under liquids such as sweat or cleaning agents



### High-quality products & reliable service

- > Robust components
- > Gap-filling process to protect against moisture & dirt
- > Protection class up to IP67 & IK-tested
- > Long-term availability & obsolescence management



### Numerous additional features

- > Knob-on displays & optical encoders
- > RFID, NFC, Bluetooth, WLAN
- > Proximity sensors for detection of potential touches & subsequent activation of the HMI

## Customizing options according to your needs

With our extensive customization options, we support you in taking your smart fitness application to a new level. As an experienced and competent partner, we accompany you from the initial idea to the complete implementation of your customized solution.



Trouble-free operation possible even under the influence of liquids such as sweat

- > Variety of display sizes & formats
- > Expansion options such as camera, proximity sensors, RFID
- > Integration of fitness sensors such as heart rate monitors
- > Liquid hot melt bonding from frame to glass touch unit
- > Subsequent gap-filling process to protect against moisture and dust ingress
- > Various operating options such as (multi-)touch, haptic touch or gesture control
- > Integration of charging areas for mobile devices, tablet, cell phone

## Possible applications for smart fitness equipment



- > Fitness mirrors
- > Treadmill
- > Cross trainer
- > Rowing machine
- > Stairmaster
- > Spinning bike
- > Fitness tracker
- > etc.



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# DATA MODUL



DISPLAY



TOUCH



EMBEDDED



SYSTEMS

As a leading expert in the field of industrial display, touch and embedded technologies we design, develop and manufacture tailor-made system solutions at the highest level.

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