BIOFEEDBACK SDK CONTACTLESS VITAL SIGNS TRACKING

Track heart rate, breathing rate and oxygen saturation with a desktop or mobile camera.
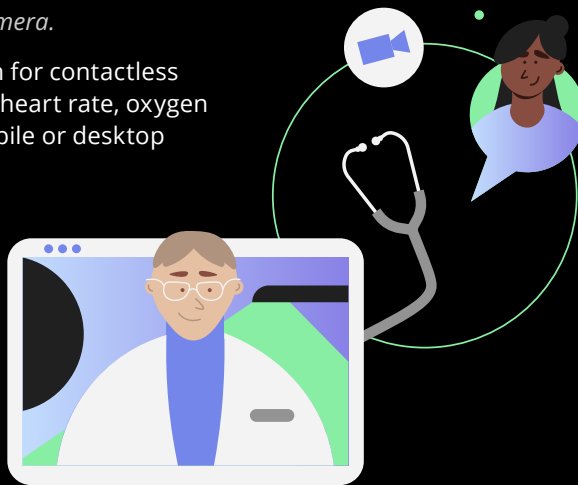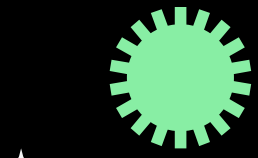
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CONTACTLESS VITAL SIGNS TRACKING

Remote. Real-time. For Any Camera.

Biofeedback SDK is a solution for contactless vital signs measurement (i.e. heart rate, oxygen saturation) that uses any mobile or desktop camera.

Heart Rate

Oxygen Saturation

Respiration Rate

SUPPORT CUSTOMERS, PATIENTS AND YOUR CLOSE ONES

Well-being check in seconds. No need for wearables.

Wellness
Keep track of your personal well-being or the ones you care about.

Insurance
Improve underwriting speeds, accuracy, risk assessment and customer experience.

Telemedicine
Track well-being of your patients remotely, providing superior e-health care to elderly and disabled.

Neuromarketing
Monitor vital signs to collect valuable customer insights applicable for marketing purposes.

WORKS ON:

Smartphone cameras

Laptops

Tablets

DELIVERED AS:

Customized Standalone Application

SDK for faster development

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WHY BIOFEEDBACK SDK?

Accessibility

No need in wearables—Biofeedback SDK is accessible from any PC or mobile camera device.

Availability

As long as your device is charged, Biofeedback SDK can be accessed in a single tap.

Rapid Product Development

Save costs on model development—Biofeedback SDK provides trained models and APIs.

Accuracy

Biofeedback SDK has light and motion compensation algorithms to provide precise measurement in challenging environments.

HOW DOES IT WORK

Face Detection and Tracking

Deep learning algorithms identify faces and keep monitoring for precise measurement.

Patterns detection

Vitals extracted as pattern signals from different parts of the face and upper body.

Breathing Motion Tracking

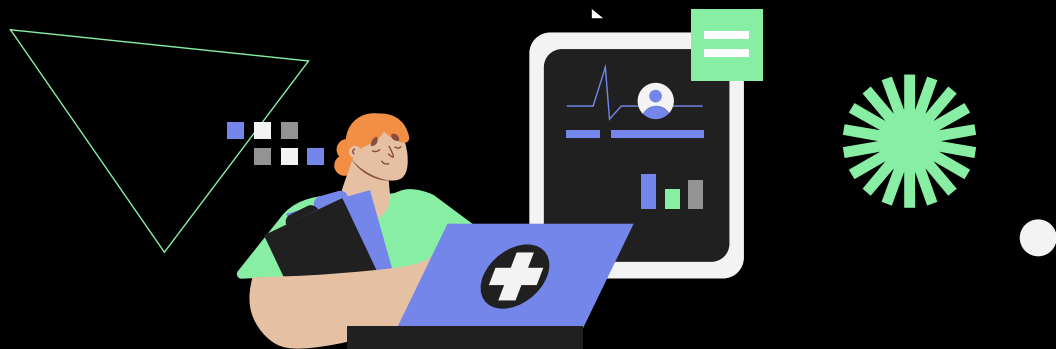Vitals extracted as pattern signals from different parts of the face and upper body.

Motion compensation & Illumination normalization

Advanced algorithms fix motion and challenging lighting conditions for most precise measurements.

SAVE COSTS ON APPLICATION DEVELOPMENT

Biofeedback SDK—is a framework to accelerate your product-to-market delivery. We provide builds for iOS, Android, Windows, MacOS and Linux with a self-contained installer for all dependencies, C++, Python and Java interface.

Also SoftServe provides teams to easily integrate it to your existing software. Such end-to-end approach helps you save months on your R&D for computer vision models.

NORTH AMERICAN HQ
+1 866 687 3588 (USA)
+1 647 948 7638 (Canada)

EUROPEAN HQ
+44 (0)800 302 9436

info@softserveinc.com
www.softserveinc.com

softserve