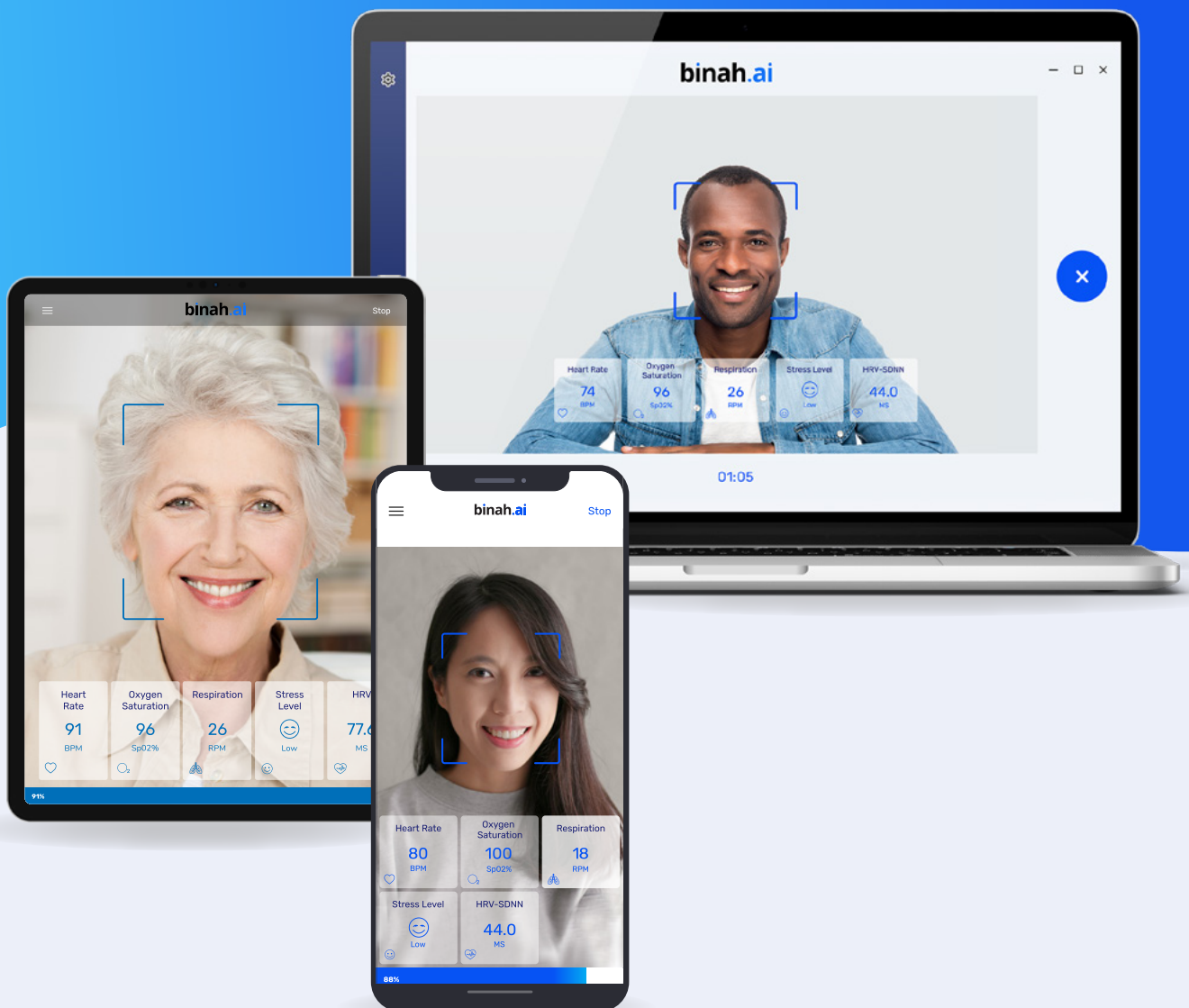


Powering Applications that Shape the Future of Healthcare and Wellness



**AI-powered Video-based
Health and Wellness Monitoring Solutions**

Transform Any Camera-equipped Device into a Vital Signs Monitoring Tool

Binah.ai's award-winning solution offers its customers an unparalleled advantage by transforming any camera-equipped device (smartphone, tablet, laptop, etc.) into a health and wellness monitoring solution. Either remotely or on-premises, Binah.ai's video-based solutions remove the need for home medical equipment or wearables and allow users to extract vital signs measurements, with medical-grade accuracy, just by looking into the device's camera:



Heart Rate



Oxygen Saturation



Respiration Rate



Mental Stress Level



Heart Rate Variability



Blood Pressure (Coming Soon)

How Binah.ai's Technology Works

Binah.ai's solution applies a unique mix of signal processing and AI technologies, combined with a proprietary mathematical back-end to analyze a signal taken from the upper cheek skin region of the face. It applies motion compensation and illumination normalization, and supports any age, gender and skin color. The vital signs extraction is based on a remote photoplethysmography rPPG or PPG signal (using the touch of a finger on the device's back camera for challenging environmental conditions). Binah.ai's stress level measurement is based on Baeovsky's and US/European Index level measurements (globally approved).

Camera Calibration

Optimizing the camera's video feed according to the environmental conditions

1



Face Tracking

Deep learning thechnology is used to focus on the subjects face

3



2

Face Detection

AI technology accurately identifies the presence of a human face



Motion Compensation

Signal processing compensate for any motion to achieve consistent results

5



4

Skin Region Selection

It dynamically decides which part of the face to analyze and extract signals



6

Illumination Normalization

Light leves are normalized to improve accuracy further.



No need for home medical equipment or wearables



Delivery

Binah SDK (Software Development Kit)

- Easily integrate Binah.ai's technology into your own app or infrastructure.
- Available for: iOS, Android, Windows and Linux (per request).

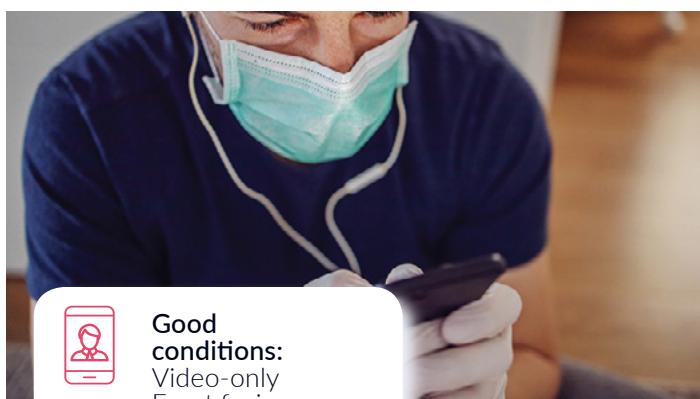
Binah Team - Ready-to-use Health and Wellness Monitoring Solution

- Includes a Cloud-based management platform and end-user application.
- Immediately available on a per user model, no integration needed.
- Available for IOS and Android. Binah Team agent available for Windows 10 laptops. Available for Apple iPad and Android tablets in Q1/2021.

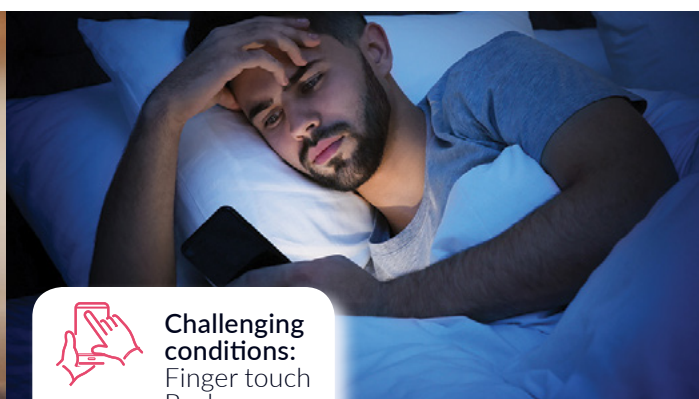


Easier Than a Video Selfie

For end-users, extracting vital signs is easier than a selfie. Just look into the device's front camera or touch the device's back camera with a fingertip (for challenging conditions) and results are ready to view between 10 seconds to 1 minute later.

**rPPG**

Good conditions:
Video-only
Front facing camera

**PPG**

Challenging conditions:
Finger touch
Back camera

Selected Use Cases for Video-based Vital Signs Monitoring

**Telehealth****Wellness****Remote Patient Monitoring****Insurance****Virtual Trials****Elderly Care****KYC****COVID-19 Spread Combat**

Powering Applications that Shape the Future of Health and Wellness

Binah.ai's award-winning technology delivers on the company's vision and mission to allow for basic and universally accessible health and wellness services anytime, for everyone, anywhere. We are shaping the future of healthcare and wellness by transforming any smartphone, tablet or laptop into a vital signs monitoring tool, delivered with medical-grade accuracy. Binah.ai's technology has countless use cases that span fields including telemedicine, remote patient monitoring, primary care, personal and corporate wellness, preventive medicine, virtual trials, nursing homes, insurance, in-car wellness and many more. Our technology is in use with leading global organizations that understand that latest technologies and connected services are the roadmap to personalized, streamlined, and universally accessible health services that empower both organizations, and personal users.

For more information on Binah.ai, please visit: www.binah.ai or write to us at info@binah.ai

Industries We Empower



Digital
Healthcare



Wellness



Insurance



Automotive



Consumer
Electronics



Mobile

Selected Customers



SOMPO ホールディングス



GENERALI

momentum



Recent Market Recognition



CES
Innovation Awards
2020 Honoree



Juniper Research
Platinum Winner



DOMAIN CHAMPION
NTT Data
10th Open Innovation
International Contest 2020



GRAND CHAMPION
NTT Data
10th Open Innovation
International Contest 2020



Gartner Cool Vendor
in AI Core
Technologies 2019

Why Binah.ai?



Accessible

No wearables - available on any popular mobile device such as smartphones, tablets and laptops



Always Available

App runs locally on device and does not require internet connection



Accurate

Built and clinically tested to deliver medical-grade accuracy



Easy to Integrate

Delivered as an SDK or end-to-end wellness app platform



Easy-to-use

Detects vital signs just by looking at the device's camera



For All

Supports any age, gender and skin color