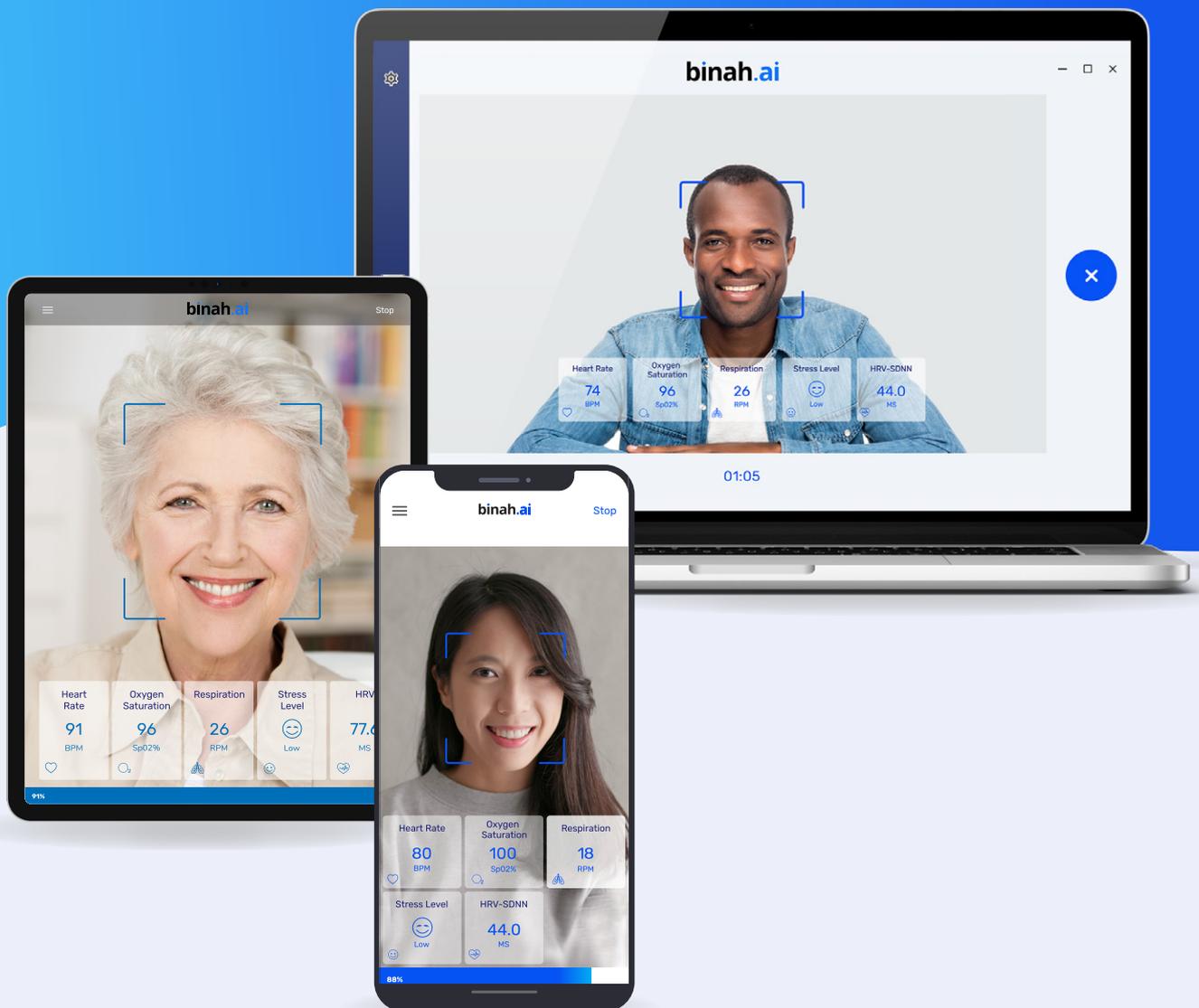


# Powering Applications that Shape the Future of Healthcare and Wellness



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 technology is used to focus on the subjects face

3



### Motion Compensation

Signal processing compensate for any motion to achieve consistent results

5



2

### Face Detection

AI technology accurately identifies the presence of a human face



4

### Skin Region Selection

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



6

### Illumination Normalization

Light levels are normalized to improve accuracy further



No need for home medical equipment or wearables



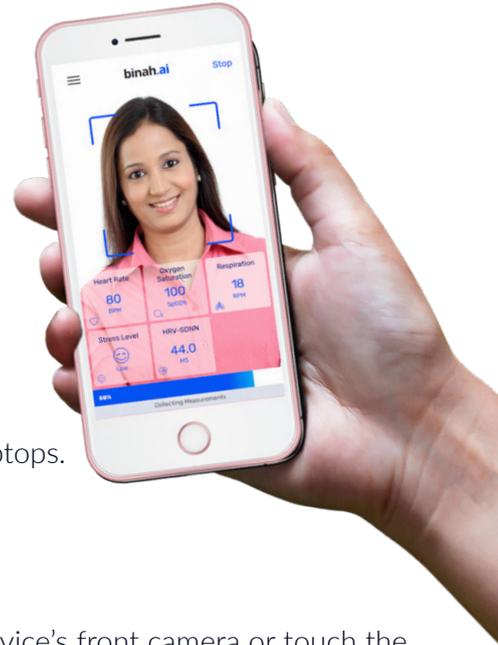
### Delivery

#### 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.

<div data-bbox="127 1265 494 1422"> <p><b>Good conditions:</b> Video-only Front facing camera</p> </div>	<div data-bbox="821 1265 1125 1422"> <p><b>Challenging conditions:</b> Finger touch Back camera</p> </div>
--	--

### Selected Use Cases for Video-based Vital Signs Monitoring

<div data-bbox="127 1736 438 1825"> <p>Telehealth</p> </div>	<div data-bbox="438 1736 790 1825"> <p>Wellness</p> </div>	<div data-bbox="790 1736 1141 1825"> <p>Remote Patient Monitoring</p> </div>	<div data-bbox="1141 1736 1508 1825"> <p>Insurance</p> </div>
<div data-bbox="127 2072 438 2161"> <p>Virtual Trials</p> </div>	<div data-bbox="438 2072 790 2161"> <p>Elderly Care</p> </div>	<div data-bbox="790 2072 1141 2161"> <p>KYC</p> </div>	<div data-bbox="1141 2072 1508 2161"> <p>COVID-19 Spread Combat</p> </div>

## 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](http://www.binah.ai) or write to us at [info@binah.ai](mailto:info@binah.ai)**

## Industries We Empower



Digital Healthcare



Wellness



Insurance



Automotive



Consumer Electronics



Mobile

## Selected Customers



## 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