

HeartKey[®] 2.0

Clarify the signal.
Amplify the opportunity.

HeartKey[®] 2.0 is a suite of powerful EKG algorithms and analytics providing breakthrough levels of medical accuracy and efficiency through enhanced signal clarity and a reduction in EKG signal noise as well as delivering FDA-cleared health data with actionable wellness insights.

The EKG signal monitoring for both medical and consumer applications can be implemented to run on device or via the cloud. The new software connects to and enhances existing platforms and devices, increasing remote monitoring capabilities.


HEARTKEY[®] 2.0 ALGORITHMS:

 SIGNAL CONDITIONING


 HEART RATE ANALYTICS

 STRESS ANALYTICS

 BEAT DETECTION

 ARRHYTHMIA ANALYSIS

 EKG USER ID

 SIGNAL QUALITY

 HRV ANALYTICS

 SYSTEMIC FATIGUE

EKG Development Kit

A Full Solution Stack for Accelerating EKG Development of Medical & Consumer Devices.

EKG development can be complex. It requires expertise across a range of areas; however, gaining sufficient expertise in-house takes time and money.

Our EKG Development Kit fast tracks companies along each stage of the EKG development cycle.



Professional Services

Historically, producing high quality, low noise EKG signals from dry electrodes has been a challenge. A successful solution to this challenge depends on the complete system integration.

B-Secur provides an end-to-end system solution for EKG as all areas are interdependent on each other.

WE OFFER SUPPORT ON:

 DRY ELECTRODE DESIGN & CHARACTERISATION

 ELECTRODE & HARDWARE VALIDATION

 REGULATORY AND QUALITY SYSTEM SUPPORT

 HARDWARE DESIGN & CHARACTERISATION

 SYSTEM VALIDATION, HUMAN FACTORS & CLINICAL INVESTIGATIONS