



GATHERING DATA

- Works with different file formats: WFDB, SCP-ECG, EDF/EDF+, ISHNE, CSV
- Compatible with most of the devices on the market
- Analysis on 1 to 12 leads
- Cardiomatics software is suitable both for short recordings (event holters) and long term monitoring (30+ days)



CLOUD BASED ANALYSIS

- Fully automatic analysis using Machine Learning techniques
- Using global HIPAA compliant services guarantees safety and accessibility



RESULTS

- Delivered in seconds
- Easy to screen on the website or to download in PDF file
- Detection of more than 20 abnormalities including Atrial Fibrillation

KEY FEATURES

Easy to integrate



You could easily use our software via website or API, which enables efficient integration into the IHS system. We offer white labelled product. Our system is compatible with commercially available holter devices.

Medical grade



Clinically validated and certified as a medical diagnostic device (CE marked, Class IIa Medical Device) with a sensitivity of 93% for the detection of Atrial Fibrillation. We improve our algorithms cooperating with top medical universities in the Europe and medical advisers: Medical University of Warsaw and University of Bern.

Reliable way to screen and detect arrhythmia



Cardiomatics enables detection and analysis of many elements in ECG signal as:

- Beats detection and rhythm analysis
- Heart Rate Variability
- Supraventricular events including atrial fibrillation
- Ventricular events

TRUSTED BY PATIENTS AND CARDIOLOGISTS



CLINICALLY VALIDATED RESULTS

99,79%
of precision

of detecting ventricular beats based on MIT-BIH database

93,00%
of sensitivity

of detecting episodes of Atrial Fibrillation based on MIT-BIH database

Our algorithms meet the standard **EN 60601-2-47:2015** and have been validated both on MIT BIH Arrhythmia database and on clinical data.

Cardiomatics ensures 93% of the sensitivity of atrial fibrillation detection on MIT-BIH Arrhythmia database.