



ESSE-1515

15/16-lead PC ECG



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ESSE-1515

15/16-lead PC ECG



ESSE-1515 PC ECG provides you comprehensive ECG solutions, which integrates resting ECG, stress ECG and data management in one PC-based software. Its user-friendly interfaces and reliable interpretation helps increase patient throughput and improve clinicians' efficiency. With latest ESSE15 sampling box, clinicians are able to do standard 12-lead ECG tests, and also easily upgrade the tests into 15/16-lead only by adding 4 separated lead



ESDX12
12-lead wireless
sampling box



ESDP12
12-lead wired
sampling box



ESDE15
15/16-lead wired
sampling box

Powerful Functionality

• Resting ECG

ESSE-1515 PC ECG is able to acquire as long as 30 min ECG waveforms both of standard 12 leads and 15/16 leads, and also allows you to store full disclosure data. ESSE-1515 uses latest version of Interpretation software SEMIP, combining with its automatic arrhythmia detection and proof for diagnosis, it helps clinicians make their quick cardiac decisions.

• Stress ECG

ESSE-1515 stress function provides standard as well as unlimited user-defined stress protocols which enable your stress tests more flexible. Its advanced filter technology ensures stable ECG traces even though patients are in noisy environments. User-friendly functions and interfaces refresh clinicians with an efficient clinical trial.

• Data Management

ESSE-1515 PC ECG is able to archive reports from standalone ECG machines and provides clinicians on-screen ECG measurements to conduct a paperless workflow. Multiple report formats are provided which enables it more flexible for clinicians to choose their suitable formats. It also can transmit ECG data to HIS/EMR/PACs via HL7 and DICOM worklist.



User-friendly design

- **Separated leadwires**

Separated ECG leadwires makes it easy to plug or unplug any single lead, which helps save your service cost.



Separated Leadwires

- **Color-coded leads**

Color-coded leads conduct clinicians to quickly find the right lead wires.



On-touch Button

- **ECG signal quality indicator**

Quickly identify the poor or missing ECG signals by visual color-coded indicators.



ECG Signal Quality Indicator

- **One-touch button**

One-touch button on the sampling box enables to start or stop ECG acquisition without going to PC side.



ECG Signal Quality Indicator

- **Intuitive interfaces**

Intuitive interfaces enable you minimal training requirement and improve your work efficiency.

- **Long-time ECG sampling**

It allows up to 30 minutes ECG sampling, and full disclosure data enables to review every beat and arrhythmia.



Manual Measurements

- **Manual diagnosis**

Any parts of waveforms allow to be frozen, zoomed in, measured and printed during an ECG examination.

- **Leads reversal**

Clinicians can reverse the leads in wrong placement directly on the software without changing the placements on the patients and performing another ECG acquisition.

- **ECG reports comparison**

Clinicians are allowed to retrieve the historic reports and compare them with the current ones when they are doing analysis.



ECG Reports Comparison

- **The editable ECG report**

Users can customize the final report besides the existing report templates.

- **Unlimited protocols for stress test**

Standard and unlimited user-defined protocols are offered, facilitating your standard or customized stress tests.



ECG Templates Comparison

Professional Performances

As a professional ECG solution, ESSE-1515 PC ECG is always dedicated to bringing clinicians accuracy and high efficiency in both ECG sampling and diagnosing.

- **Accurate Clinical Performances**

- The sampling rate is as high as 16,000Hz. Combining with advanced 24 bit A/D converter, it enhances accurate ECG waveforms acquisition.
- The high CMRR over 140dB and comprehensive filters ensures clear waveforms for viewing and reporting.
- The wide bandwidth 0.01-300Hz enables paediatric ECG diagnosis more accurate according to AHA 2007.

- **15/16-lead ECG**

The DE1 5 sampling box offers 4 additional leads which are specialized for the right side chest leads (V3R, V4R, V5R) or posterior leads (V7, V8, V9) to facilitate 15/16-lead ECG acquisition.



Auto Arrhythmia Detection



The reliable SEMIP algorithm

The latest SEMIP algorithm with 12-lead and 15/16-lead ECG diagnosis function to maximize your confidence in making diagnosis.

Proof for diagnosis

Proof for diagnosis is newly included in the diagnosis results, which helps to get more convincing reports and make correct decisions.

Automatic arrhythmia detection

Arrhythmia can be detected, highlighted and saved automatically for the further analysis.

Event mark

Every arrhythmia or remarked waveforms can be saved as events automatically for clinicians' further analysis.

Advanced filter technology

Advanced filter technology stabilizes ECG waveforms and ensures the clear and accurate ST segment assessments during the stress tests.

Complete evaluation methods for stress test

METs, Double Product, Duke score as well as FAI are evaluated in your stress test, which presents clinicians more complete references to make proper decisions.



ECG Findings



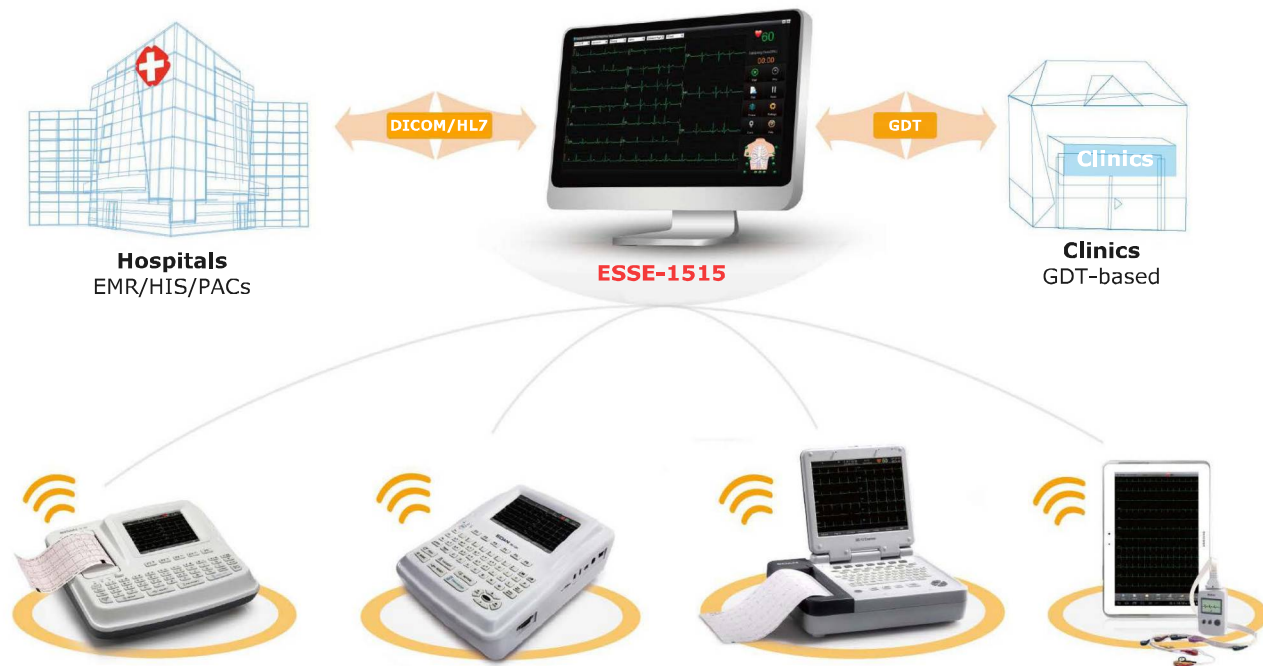
Proof for Diagnosis



Events Management

Seamless Connectivity

ESSE-1515 PC ECG enables to archive, review and edit ECG data from ECG machines. Several ESSE-1515 software on a LAN are also able to present a paperless networking solution for editing, reviewing, printing and exporting reports via one database. Using the industry-standard communication protocols, ESSE-1515 PC ECG is able to provide an easy access to HIS/EMR/PACs.



Bi-directional communication with ECG machines

ESSE-1515 software can pass patient info down to ECG machines and receive ECG reports from them directly and automatically.

Database sharing

One ESSE-1515 software can work as a server to share its database, and the other ESSE-1515 as clients are allowed to access the database, and make diagnosis on different sites.

Multiple formats exporting

PDF/XMUSCP/DICOM/JPG/BMP/DOC format reports can be exported directly.

HIS/EMR/PACs access

It supports HL7 /DICOM worklist, which enables HIS/EMR/PACs access.



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