



## Product Features, Technical Specifications & Software Requirements

### SEEING IN 20/20

Cardea 20/20 ECG™ is the only ECG that incorporates the International Criteria for ECG Interpretation in Athletes,<sup>1</sup> enabling physicians to quickly identify abnormalities that can lead to sudden cardiac arrest—the number one medical cause of death among athletes at all levels of sport.<sup>2</sup>



### PRODUCT FEATURES

- » High-bandwidth transmitter (0.05–150 Hz) digitizes at 1000 Hz and a resolution of  $<1 \mu\text{V}$ , compared to industry standards of 500 Hz and 2.5–5  $\mu\text{V}$
- » Real-time recording screen displays all of the ECG trace data that will be analyzed, helping the clinician correct patient motion and other noise artifacts that commonly degrade ECG quality
- » A single click of a button stops the recording and automatically analyzes the ECG, providing diagnostic interpretation and recommendations
- » ECG signal recording for 16 seconds versus 10-second standard
- » Interactive editing of global phase picks (i.e., location of P on, P off, Q, S and end of T)
- » Over-reading, editing and confirmation of the ECG interpretation and secure email support for collaborative ECG review
- » Diagnostic chronology logging
- » Entry of selected echocardiographic data commonly recorded during PPE screening
- » Cardiac conditions known to increase risk trigger a recommendation for further clinical evaluation
- » Responsive to specific American Heart Association® PPE screening questions

## COMPONENTS

<b>ECG Transmitter with lead wires</b>	The patient lead wires terminate in clip/snap connectors that attach to user-selected commercially available ECG electrodes (electrodes are not included in the Cardea 20/20 ECG system)
<b>Software</b>	Cardea 20/20 ECG personal computer software application
<b>Instructions</b>	Operator's manual and quick-start guide

Cardiac Insight offers Cardea 20/20 ECG with an 11" Laptop/Windows OS™ downloaded with Cardea 20/20 ECG software—Cardea 20/20 ECG device paired & ready—all in one customized, durable carrying case.

## SUPPORTING OPERATING SYSTEM, OUTPUT SPECIFICATIONS AND HARDWARE REQUIREMENTS

<b>Disk</b>	Minimum 2 GB of free disk space
<b>CPU</b>	Intel® Core™2 Duo CPU @1.50 GHz or greater, 32-bit (x86) or 64-bit (x64) processor, or equivalent
<b>Display</b>	1024×768 or higher resolution
<b>Memory</b>	Minimum 2 GB of system memory
<b>Pointing Device</b>	Windows® compatible mouse
<b>Keyboard</b>	Windows® compatible keyboard
<b>Windows® Operating Systems Supported</b>	Windows® 7, 8 and 10
<b>Ports</b>	2 available USB ports



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<sup>1</sup>Sharma, MD, Sanjay. "International Recommendations for Electrocardiographic Interpretation in Athletes." J Am Coll Cardiol, vol. 69, no. 8, Feb. 2017, pp. 1057–1075., doi:10.1016/j.jacc.2017.01.015.

<sup>2</sup>Harmon KG, Drezner JA, Wilson MG, et al. Incidence of sudden cardiac death in athletes: a state-of-the-art review. Br J Sports Med 2014;48:1185–1192.