

# Enter the Cardioline World



## New Holter analysis software **Cubeholter**

- 3 and 12 channel recorders from 250 to 1000Hz., from 24 hours to 7 days.
- Patient data can be entered in the recorder from a work-list or simply typed into.
- Principal ventricular and supra ventricular arrhythmias, atrial fibrillation and paced beats are classified and presented in different formats.
- Optimized algorithms provide quick and reliable analysis to be printed immediately or verified through a step by step workflow.
- Heart beat detection and artifact rejection are automatically performed by new powerful award winning algorithms.
- Recordings can be quickly downloaded locally or remotely.
- HRV, QTc and ST analysis are automatically computed and presented in graphic or tabular mode.
- The software generates a final report that can be exported. Raw data for the full test can be stored in the Cardioline Holter webapp and analyzed from any location.

## Features

The **Cubeholter** is a next generation Holter analysis software, designed for fast and reliable review of multi-day ECG recordings. Workflow is streamlined and operations are simplified, from recorder preparation to printing of the final report. Best in class algorithms classify heart beats, paced beats and arrhythmias and present results in multiple formats. HRV, QT and ST analysis are also attached to the final report.

The **Cubeholter** analysis software is the best solution in a variety of different environments, ranging from single workstation to multi location data upload and reviewing stations.

The **Cubeholter** analysis software can be associated with the Cardioline Holter WebApp for a true web handling of your Holter recordings.

## TECHNICAL SPECIFICATIONS

### Recordings

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Functions       | Prepare recorder with patient data, import recording, delete recording.         |
| Archive         | Local database, 1.000 tests recommended limit                                   |
| Recording types | From 1 to 12 leads, 250, 500 or 1000 samples/second, 24, 48 or 1 week duration. |

### Automatic Analysis

|                        |                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analysis windows       | RR, Template, Events, ST, QT (Bazett, Fredericia, Hodges), HRV                                                                                                                                                                                        |
| Classified heart beats | Normal, ventricular, paced, artifact.                                                                                                                                                                                                                 |
| Detected Arrhythmias   | Atrial fibrillation, Bradycardia, Tachycardia, Supraventricular couplets, Supraventricular save, Idioventricular rhythm, Supraventricular tachycardia, Ventricular couplets, Ventricular Tachycardia, Bigeminy, Trigeminy, Pause, Junctional rhythms. |
| Paced Beats            | Failure to capture, Undersensing, Oversensing detection.                                                                                                                                                                                              |
| Special Algorithms     | Noise and Artifact rejection. Atrial fibrillation.                                                                                                                                                                                                    |
| Customizable Report    | Pre-compiled summary.<br>Trends: RR/HR, Events, ST, QT, HRV. Tables: RR/HR, Events, ST, QT<br>ECG: RR max/RR min, Event strips, Templates, ST Analysis, QT, HRV                                                                                       |

### Connectivity

|              |                                                                                           |
|--------------|-------------------------------------------------------------------------------------------|
| Worklist     | Receives worklist from HIS in different formats (DICOM, HL7, GDT)                         |
| Recordings   | Uploads recordings locally or from remote download stations, trough web-uploader software |
| Final Report | Exports PDF or PDF+ whole recording when Integrated with Holter Web App                   |

## WORKSTATION MINIMUM HARDWARE REQUIREMENTS

|                                 |                                                                                                                                                                           |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating System:</b>        | Windows 7 or higher, 32 or 64 bit                                                                                                                                         |
| <b>Processor:</b>               | Intel core i5 or higher                                                                                                                                                   |
| <b>RAM:</b>                     | More than or equal to 8GB                                                                                                                                                 |
| <b>Free space on Hard Disk:</b> | At least 2GB for the program plus the space for the archive                                                                                                               |
| <b>Screen:</b>                  | 16:10 form factor @ 1600x1050, 22" or more (100% resizing) 16:9 form factor @ 1920x1080, 15.4" or more ( >= 125% resizing) Maximum recommended resolution: 4096x2160 (4K) |
| <b>USB:</b>                     | At least 1 USB port                                                                                                                                                       |
| <b>Printer:</b>                 | Laser B/N or Colour                                                                                                                                                       |
| <b>Safety Standard:</b>         | IEC 60950-1                                                                                                                                                               |