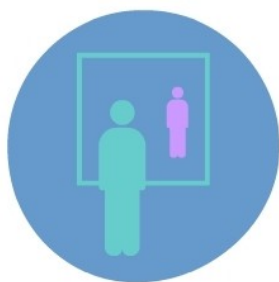


# euro\_ecg SW12

*High-resolution ECG software ECG*

## OVERVIEW & TECHNICAL DATA



LUMED

w w w . l u m e d . c o m

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## The features of LUMED® euro\_ecg

LUMED® euro\_ecg is a modern software for digital Electrocardiography, for both real-time (pc-ecg) and off-line ECG management. The operations can be performed in a local or network environment. Its peculiar design allows LUMED® euro\_ecg to execute all the task related to the resting ECG:

- ✓ ECG recording (pc-ecg) and acquisition (off-line)
- ✓ display
- ✓ automatic analysis & measurement
- ✓ manual analysis & measurement
- ✓ referring
- ✓ storage
- ✓ comparison
- ✓ printout
- ✓ export
- ✓ ...

LUMED® euro\_ecg has no options, since every feature is always available, including the quantitative and qualitative ECG evaluation.

LUMED® euro\_ecg is paired with these hardware modules:

- ✓ 3-channel electrocardiograph LUMED® euro\_ecg 3view
- ✓ 6-channel electrocardiograph LUMED® euro\_ecg 6view
- ✓ 12-channel electrocardiograph LUMED® euro\_ecg 12view

The main features of LUMED® euro\_ecg include the following:

- ✓ synchronous acquisition of the 12 lead, in real-time
- ✓ USB 2.0 and Ethernet interface
- ✓ Visualization of the ECG and the analysis on PC display
- ✓ Choice of the display format:
  - ✓ ECG traces format (eg. 6X2 or 3x4+Rhythm)
  - ✓ colors
  - ✓ speed & gain
  - ✓ filters
- ✓ extended use of functions key
- ✓ intuitive Graphic User Interface, based on icons and tutorial text
- ✓ simple and clear composition fo the printouts
- ✓ printout preview
- ✓ ECG storage and retrieval
- ✓ archive browse tools
- ✓ ECG comparison
- ✓ interface towards external procedures, like Hospital's ADT
- ✓ immediate or postponed analysis
- ✓ automatic ECG measurements
- ✓ automatic ECG interpretation
- ✓ automatic ECG classification, based on short statements
- ✓ editing of the automatic findings
- ✓ creation of custom statements
- ✓ OSMT On-screen Measurement Toolkit, calipers for on-screen manual measures of durations and amplitude
- ✓ Multi-beat Heart Rate caliper
- ✓ ECG zoom
- ✓ ...

## Features & tools

ref. EP-LU30007 LUMED euro\_ecg SW12

Language	English
Extended use of function keys	yes
Automated procedures	yes
Medical repository of patients demographic and ECGs	yes
Quick recall of the last patient treated	yes
Automatic ECG measurements	yes
Automatic ECG interpretation	yes
Short ECG classification	yes
Validation and manual editing of the automatic findings	yes
Real-time display	Current Hear-rate, exam duration
Linear-phase zero distortion digital filters:	
✓ EMG	20, 30 or 40 Hz low-pass
✓ Mains	50 or 60 Hz notch
✓ anti-drift for base line	0.15, 0.25 or 0.5 Hz high-pass
ECG Zoom	yes
On-screen manual measures	Duration, amplitude, Hear-rate
ECG export	JPG, PDF
ECG format for export and printout	
✓ format	12, 6x2, 6x2+R, 3x4+3R, 3x4+R
✓ orientation	Portrait, Landscape
Rhythm leads (user selected)	1 or 3, according to the format
Printout preview	User activated
Custom printout header	yes
Printout and export setup	Colors, grid type, auto gain for tall chest leads etc.
Custom display settings	
✓ colors scheme	grid, background, ECG
✓ speed	12.5, 25, 50 mm/s
✓ gain	5, 10, 20 mm/mV
Custom repository path	Main archive, JPEG, PDF
QRS sound	User activated
Alarm for electrode contact or detached lead	yes
Internal ECG simulator	yes
Interface towards ECG modules	USB 2.0, Ethernet



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