

# beatWISE

Holter

## Connected Cardiac Monitoring & Diagnostics



[www.cardiacdesignlabs.com](http://www.cardiacdesignlabs.com)

# Never miss a beat

Smart , Consistent & Accurate



## Key Features

- Detachable variable leads (12 leads/ limb leads)
- Storage: 14 days on device
- Works on AAA battery
- Patient triggered ECG recording
- Retrospective analysis using MIRCaM analysis software
- Works in offline & online (event monitoring) mode

## beatWISE

Holter

beatWISE holter monitor is designed for long term monitoring of cardiac conditions and is extremely simple to use, consistent and accurate. It uses the MIRCaM analysis software for analyzing the recorded ECG.

With beatWISE intelligent holter every single beat counts.

# Smart Connected Event Monitoring



The beatWISE holter recorder connected to a smart phone transforms itself into a smart connected event monitor. The MIRCAM mobile software enables the technician to enter patient details during the hook up process and view the ECG on mobile to ascertain the quality of ECG being captured thereby eliminating the risk of capturing poor/noisy ECG signals at the start of test or during the entire duration of the test.

- Auto event detection
- Long term data recording
- Transmit ECG events to the cloud for remote review and reporting
- Smart alerts & notifications
- Automated reports





## Holter Analysis **Software**

Leveraging intelligence for simplified ECG analysis and smart decisions

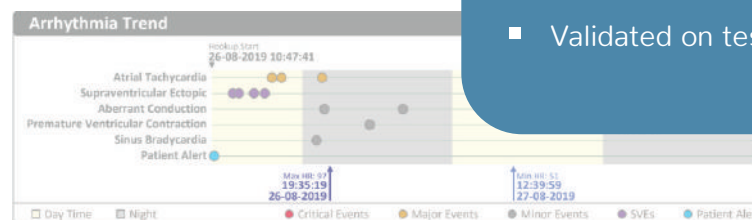
MIRCaM ECG Viewer is a comprehensive workflow management, analysis and reporting tool.

### Key features:

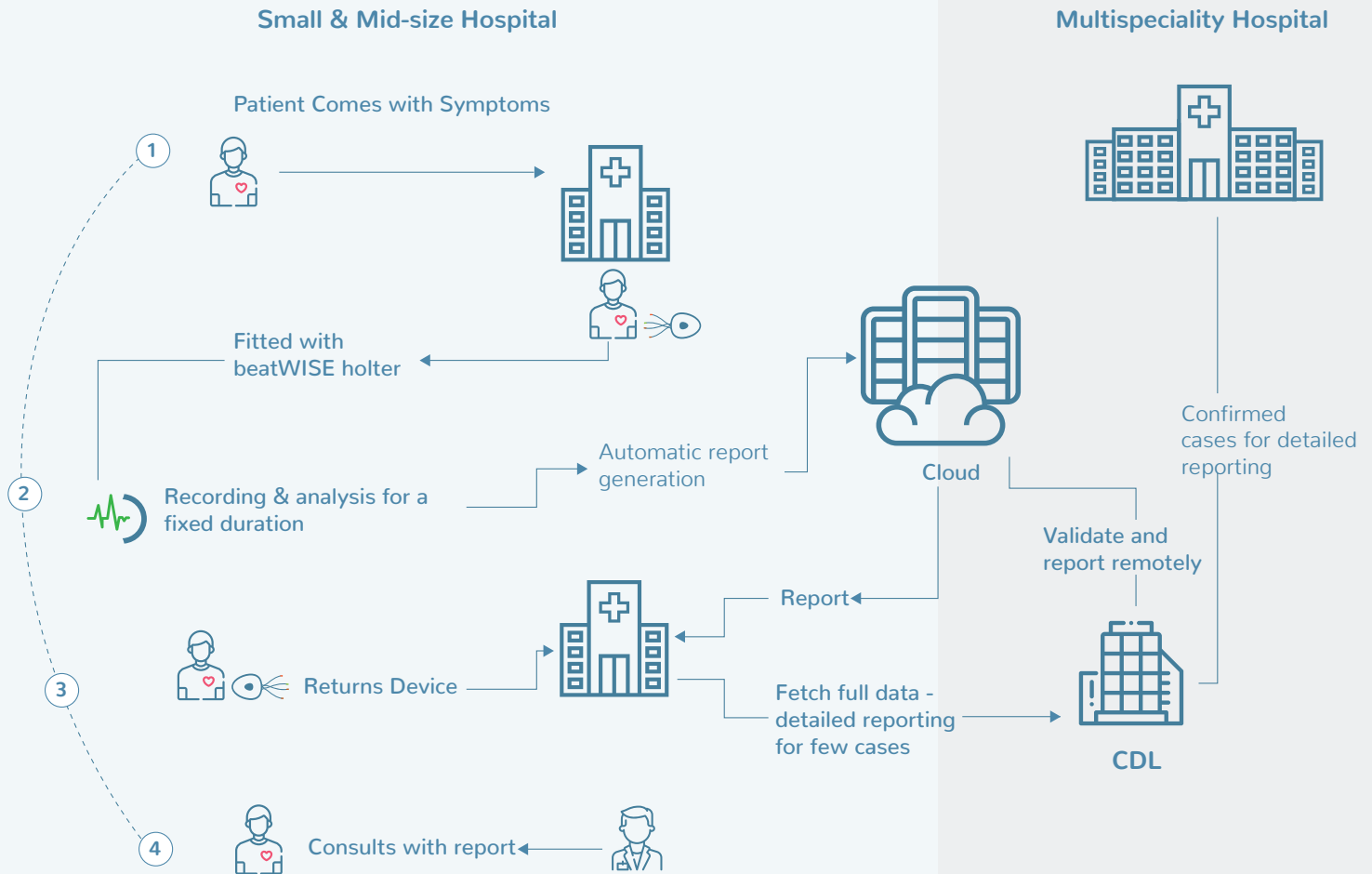
- Download 24 hour data within 30 seconds
- Analyse 24 hour test data within a couple of minutes
- Review full disclosure ECG along with additional analytics, trends, shape analysis and other tools
- Easily review, classify beats & events to create accurate and customized reports
- Access online test data from MIRCaM server, review and generate event reports or monitor test progress from ongoing active tests
- Powered by the MIRCaM intelligent engine, it supports tests with different lead combinations

### Algorithm Highlights

- Analyses test data with 12 leads or reduced differential leads
- Supports both offline and active mode tests
- Detects upto 48 arrhythmias including AFib, AV Blocks, Pauses, VT etc.,
- Detects ST segment changes on 12 lead tests
- Fine baseline analysis and correction with automatic analysis across multiple leads
- Tested across multiple test data sets such as MIT, AHA etc.,
- Validated on tests over 10000+ patients



# Smart connected event monitoring



The MIRCAM app running on the connected mobile detects different cardiac conditions and uploads those events to the cloud. These events can be accessed by the physician remotely on his mobile app and reported. In addition to the event reports, a detailed report can be created by the technician either onsite or remotely by analyzing the recorded data on the holter analysis software.

## ECG TYPE AND CHARACTERISTICS

ECG Channels	12-Lead/Variable
Recording	Upto 4 weeks

## USABILITY CHARACTERISTICS

Test Types Supported	Ambulatory
Remote Review and Reporting	ECG monitored remotely to generate precise reports after automated analysis
Work Flow Software	Event based and patient triggers accesible on mobile and desktop
Analysis Software	Powered by CDL's intelligent algorithms engine for beat-by-beat analysis

## ELECTRICAL CHARACTERISTICS

Frequency Response	0.05-250 Hz   0.05-125Hz
Sampling Frequency	500 sps   250 sps
Common Mode Rejection	105 dB
Resolution	16 bit

## PHYSICAL CHARACTERISTICS

Dimensions	83 X 76 X 17.5 mm
Weight	50g + Cables

## POWER AND USAGE

Battery Type	AAA
Life	2 Days

# About Cardiac Design Labs

Cardiac Design Labs (CDL) is one of the leading Medtech startups of the country headquartered in Bangalore. The company has been recognized as one of the top 10 startups of India by NASSCOM in the year 2016. The company has won numerous awards and accolades at various forums for its flagship product platform MIRCaM designed for carrying out advanced cardiac diagnostic and monitoring for early detection of cardiac diseases. The company has eminent clinicians on board as advisors, backed by seasoned R&D professionals and market specialists. CDL has won numerous awards and accolades from prominent institutions & tech forums such as Google, NASSCOM, Government of Karnataka, Start-up India, Make in India etc.

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