Impact Technical Resources

ECG MONITORING PLATFORM

A Development Platform You Can Build On

OVERVIEW

Conventional Holter systems still depend on wired data transfers and limited recording capacity.
The ITR ECG Monitoring Platform redefines continuous cardiac monitoring with Bluetooth and LTE connectivity, 5-day battery life, and 30-day onboard memory.
Researchers and startups gain direct access to raw ECG, respiration, and motion data - enabling remote data collection, real-time visualization, and advanced algorithm training without hardware restrictions.

BRIDGES THE GAP BETWEEN R&D AND MARKET READINESS

Most ECG systems are either accurate but cumbersome, or wearable but closed-source.
The ITR ECG Monitoring Platform bridges this gap by providing a wireless, regulatory-ready foundation for developing and testing ECG-based algorithms.
With SDK access to unfiltered biosignals, teams can move from short-term recordings to scalable, connected cardiac studies.

From

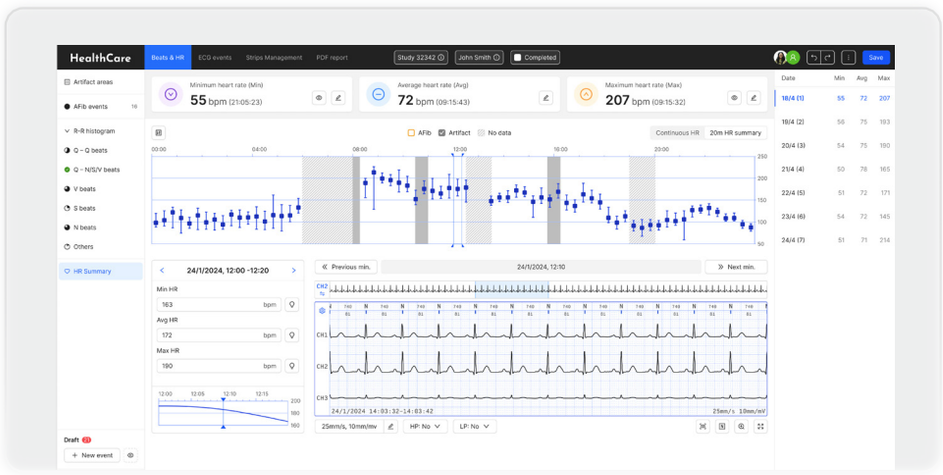
$899

Contact ITR team for more details

Save 18 months of development

ACCELERATE YOUR R&D PROCESS WITH A PROVEN PLATFORM

- **For Researchers:** Access raw ECG, respiratory, and motion data to build and validate algorithms for signal analysis, arrhythmia detection, or physiological modeling.
- **For Entrepreneurs**: Accelerate cardiac product development using ITR's prevalidated hardware and SDK platform, cutting early-stage R&D time by months.



COMMERCIAL PATH

- **Start lean**: Research Package (hardware + SDK).
- **Scale up**: Custom App, Cloud and Firmware Integration.
- **Go commercial**: IP Transfer, Verification & Regulatory Support (CE/FDA readiness).

CORE FEATURES

- 3-Channel ECG, respiration & 6-Axis Motion Sensoring
- Connectivity: Bluetooth 5.2 + LTE CAT-1
- Battery life: Up to 5 days continuous recording (rechargeable)
- Event marker for clinical annotations
- SDK for real-time data streaming and analysis integration.
- Conventional with wet electrode

FULL ACCESS TO RAW BIOSIGNALS

Each research package provides SDK access to raw PPG and motion data for transparent analysis and algorithm development.

ITR does not provide clinical ECG interpretation or arrhythmia classification algorithms in this package.

Compliant with international standard

ISO 13485 IEC 62304