

Kymansis

Making cardiovascular disease prevention simple, accurate, and accessible to all.

In a nutshell

Hypertension (high blood pressure) impacts a third of adults and can cause serious damage to the heart, hardening arteries and decreasing the flow of blood and oxygen. This can lead to heart failure, heart attacks, stroke, or organ damage. While hypertension is common, nearly half of adults with high blood pressure are unaware they have it, and three-quarters of adults don't measure their blood pressure regularly. Existing tools for blood pressure tracking rely on uncomfortable inflatable cuffs or the imprecise, unreliable optical sensors found on many wearables.

Kymansis is redefining and democratizing cardiovascular prevention through cuffless and AI-enabled wearables. Our technology uses pressure sensors to monitor key health indices with medical-grade accuracy, enabling faster, smarter, and more accessible care.

Why is our technology important?

Too often, hypertension and cardiovascular conditions go underdiagnosed or are poorly managed because of the limitations of existing diagnostic tools. Current blood-pressure technology struggles to provide real-time, accurate data, which leads to delayed diagnosis, invasive remedies, and increased pressure on healthcare systems.

Kymansis combines novel pressure sensing technology with state-of-the-art AI. Our comfortable wearable allows for continuous monitoring and analysis of multiple critical health indices with medical-grade accuracy. This rich, real-time data allows physicians to make better decisions about diagnosis, monitoring, and treatment. We believe our technology will pave the way for a future where cardiovascular disease is predicted and prevented before it starts.

The benefits of our solution

- No reliance on uncomfortable, inflatable cuffs or imprecise, optical sensors
- Continuous, automated data acquisition without the need for precise positioning and supervision
- Quick and clinical-grade measurements
- Estimation of multiple cardiovascular health indices with a single device
- State-of-the-art, AI-enabled analysis of the arterial pressure waveforms

Keywords

Wearables | mHealth | Artificial Intelligence | Cardiovascular disease | Hypertension | Preventive health

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