

VERSION 1.0



SomaMotion Sport Band

The perfect fusion of sports and wellness. Track your body metrics accurately around the clock and unlock a brand-new personalized smart healthy lifestyle tailored just for you.

Full-body health tracking in real time

Millisecond sampling, protect your heart

Real-Time Vascular Imaging BP Monitoring

Swap vibrant straps freely for every style & occasion

Activity & Energy Tracking

Auto-detect various workouts, real-time exercise intensity monitoring

Redefine Smart Health Wearables

24/7 body metrics tracking, supports all fitness & sleep modes, keep full control of your physical status anytime.



24/7 Health Monitoring

24/7 monitoring of heart rate, SpO2, BP and sleep metrics. Millisecond sampling tracks tiny body shifts, delivers full health insights and instant abnormal alerts — your wearable personal health manager.



AI-Powered Smart Health Reports

AI model trained with massive health data analyzes multi-dimensional vital signs, auto-generates visual health files & customized wellness tips, interprets your body data and provides scientific references for health choices.



Professional-Grade Activity Tracking

Equipped with professional workout algorithms to detect walk & run gestures and exercise intensity. Pair with smart devices for motion fitness mode, sync calories and workout time instantly for scientific, efficient and enjoyable training.



Motion-Sensing Fitness Games

Your band doubles as a game controller. Pair with TV or phone for immersive motion fitness! Effortless fat burn via playful interaction; every workout feels like a thrilling level-up adventure.

Beyond Recording, Deep Insights.

24/7 capture of all subtle body signals. HRV & sleep data power in-depth health insights, technology boosts your wellness quality.



Dynamic Heart Rate & SpO₂ Monitoring

Real-time resting & active heart rate tracking. Smart detection of abnormal fluctuations with instant alerts, your primary safeguard for cardiovascular wellness.



Vascular Imaging Blood Pressure

Built-in full-range optical module, next-gen vascular imaging tracks BP fluctuations. AI image recognition enables one-touch BP measurement for on-demand monitoring anywhere.



HRV & Emotion Perception

Capture HRV (Heart Rate Variability) data to scientifically assess physical & mental stress levels and emotional fluctuations, helping you gain deeper insight into your physical and psychological state.



Sleep Status Monitoring

Accurate sleep cycle tracking with detailed analysis of light sleep, deep sleep and sleep disruptions. Custom sleep scores & improvement tips deliver premium sleep quality nightly.

Ditch complexity, enjoy seamless wellness tracking.

High-precision biosensor array + AI health algorithms track tiny body shifts 24/7. Real-time cloud sync keeps you fully aware of your wellness status.



Continuous Data Complete Wellness Logs

Traditional monitoring devices suffer from time gaps in data collection, making it impossible to build a complete health profile. Missing data at critical moments fails to reflect your true physical condition.

VitaPulse Solution: Delivers 24/7 uninterrupted monitoring covering all scenarios including workouts, sleep and commutes. It captures dynamic bodily signals at millisecond intervals to build a continuous and complete vital signs profile.



AI Analytics Proactive Wellness Support

Massive raw data piles up without professional interpretation or personalized recommendations. Users are confused by complicated metrics and unable to take effective improvement measures..

VitaPulse Solution: Built-in AI health engine deeply analyzes hundreds of millions of samples, automatically generates visual reports, and delivers customized diet, exercise and schedule wellness recommendations.



Instant One-Touch Health Check On Demand

The hassle of daily charging is easy to forget. Frequent power outages not only ruin user experience but also interrupt health monitoring and compromise the integrity of your health data.

VitaPulse Solution: One tap to launch quick detection. Multiple core indicator screenings finish within minutes with no queuing required, letting you grasp your health status anytime, anywhere.

**From passive data logging to active wellness protection,
VitaPulse redefines the new benchmark for seamless health management with an ultra-simplified experience.**

Specifications

Model No	VP120-XX
Dimensions	28*42*9.5 mm
Product Weight	28 g
Battery Type	Rechargeable Lithium-Ion BAT
Rated Power	0.05 W
Battery Capacity	130 mAh
Charging Method	DC 5V Pogo-PIN with USB-C
Charging Time	1.5 Hours
Usage Time	7 Days of Continuous Use
Standby Time	7 Days
Smart Watch Mode	8 d
Connectivity Module	Bluetooth BLE 5.3
Transmission Distance	4 M
Data Storage	14 days of data stored locally, with unlimited storage via cloud synchronization

Sensor Type	
- PPG HRV Heart Rate Sensor *1	
- SpO2 Blood Oxygen Sensor *1	
- Optical Blood Pressure Sensor *1	
- 3-Axis Accelerometer *1	
- 6-Axis Gyroscope *1	
- Vibration Motor *1	
- Photosensor *1	
Bracelet Material	Zinc Alloy + Plastic
Bracelet Straps	Wrist Strap 23*48mm x 1 PC
Water Resistance	WR30
Operating Temperature	-20°C - 50°C
Storage Temperature	-20°C to 60°C
Operating Humidity	30% - 80%
Compatible Systems	
iOS 12+ / Android 10+ / HarmonyOS	
Software Update	OTA

Output Data of PPG	
Heart Rate Sensor	
- Real-Time Heart Rate	
- Heart Rate Variability (HRV)	
Output Data of Blood Oxygen Sensor	
- Blood Oxygen Saturation (SpO2)	
Output Data of Blood Pressure Sensor	
- Systolic Blood Pressure (SBP)	
- Diastolic Blood Pressure (DBP)	
- Pulse Rate	
Output Data of Photosensor	
- Sunshine duration	
Accessories	
- Wrist Strap - Waterproof Fabric *1	
- Charging Cable *1	
- User Manual *1	

7/24 All-Time Health Sentinel

Capture every subtle bodily signal around the clock. Ranging from HRV (Heart Rate Variability) to sleep architecture, it lays a solid data foundation for your health insights, allowing technology to truly elevate your quality of life.



Integrating professional medical-grade monitoring technology into daily wearables, it automatically collects multi-dimensional vital sign data around the clock. Whether you are commuting daily, engaging in high-intensity workouts, or sleeping at night, it builds an all-around personal health protection net, keeping you fully aware of your physical condition.



Dynamic Heart Rate & SpO2

Track dynamic changes in real time, accurately reflect active and resting states, intelligently alert abnormal fluctuations, and effectively prevent potential health risks.



Temperature & Sunlight

24hr skin temperature tracking + daily sunshine logging, analyzing health effects across environment and physiology.



Blood Pressure Detection

Equipped with a global camera sensor and paired with an AI vascular imaging model, it enables one-tap instant blood pressure measurement anytime and anywhere for accurate and reliable data.



HRV Physical Stress Sensing

Through heart rate variability analysis, it sensitively captures fluctuations in stress and emotions to help you adjust promptly and maintain physical and mental balance.



Sleep Quality Analysis

Accurately identify light sleep, deep sleep and all sleep stages, analyze causes of sleep interruptions, and generate scientific scores along with improvement suggestions.



Daily AI Health Report

Multi-dimensional data power AI visual health trend reports with personalized wellness guidance.

One-Tap Blood Pressure Detection

One-Click Blood Pressure Monitoring

Start measurement easily with a tap, get real-time blood pressure data and protect your daily cardiovascular health.

AUTOMATIC BLOOD PRESSURE MONITORING

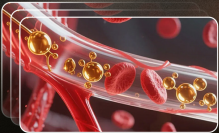
Non-intrusive Blood Pressure Monitoring. No complicated operations required; measurement completes quietly when you lift your wrist.



Daily scheduled health monitoring. Tests finish seamlessly with no need for doctor consultation, saving time and worry-free.



Traditional measurement relies on professionals. Cumbersome processes often lead to missed measurements.



Capture 1024 subcutaneous vascular images and data. Powered by AI image analysis and model algorithms, it accurately calculates systolic pressure, diastolic pressure and pulse rate.

Adopts new-generation angiography & AI image recognition algorithms to monitor blood pressure fluctuations. Unlike cumbersome traditional measurement, it captures vascular data through transmitted light optical imaging to accurately track blood pressure status.

VASCULAR IMAGING + AI ANALYSIS

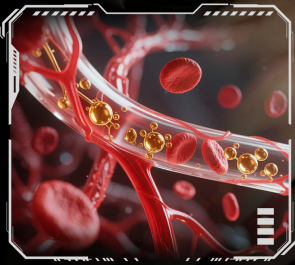
Vascular imaging paired with the AI vision foundation model captures vascular signals accurately for blood pressure and pulse measurement.



Blood Pressure Monitoring



Heart Rate Measurement



Powered by vascular imaging technology and AI vision foundation model, it precisely detects subcutaneous vascular signals to monitor blood pressure & heart rate, track cardiovascular conditions in real time and protect your health on the move.

A man in a grey t-shirt is running outdoors. A data overlay on the right shows various metrics.

Walking 23651 Steps Running 9632 Steps

Energy Expenditure Value 78230 (Moderate Fatigue)

* Take a break to recover. Pause high-intensity activities and replenish water and electrolytes promptly.

Dynamic Heart Rate Detection

Precisely captures motion data 40 times per second to calculate energy expenditure. Dynamic heart rate monitoring tracks your physical status in real time.

Enables real-time dynamic heart rate monitoring. Captures motion data 40 times per second, precisely tracks steps and energy expenditure, so you can monitor your physical condition at any time while working out.

AI Empowerment, Let Data Speak for Itself

Leverage deep learning algorithms to mine massive health data, sensitively identify potential health trends and risk factors, and transform passive recording into active early warning.



Massive Data Collection

It collects data at a high frequency of 40 sets per second, accumulating over 100 million sets of health data monthly to build a solid data foundation for in-depth AI analysis.



Online Physical Examination

No complicated operations required. Simply tap to start, and complete screening of multiple core indicators within minutes to quickly grasp your physical condition.



AI Smart Health Report

Based on long-term tracking and algorithm modeling, it dynamically analyzes indicator trends and generates intuitive, easy-to-understand visual health analysis reports.



Active Early Warning

When key indicators such as blood pressure and heart rate become abnormal, the device sends instant dual reminders via vibration and lighting to prevent potential health risks in advance.



Customized Improvement Plans

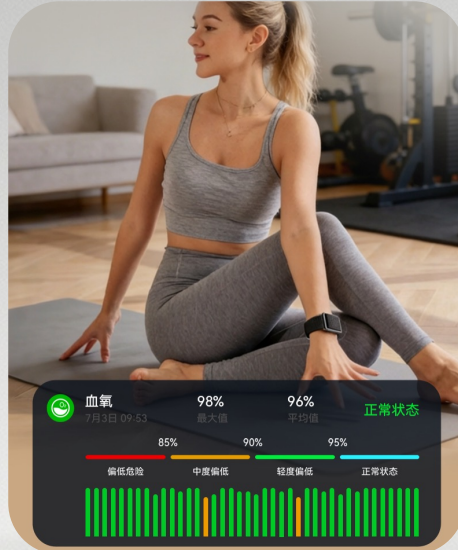
AI accurately matches your personal physical condition and creates all-round health optimization suggestions tailored to you, covering diet, exercise and daily routines.

Full-link Closed-loop Management: From data sensing to intelligent decision-making, we build a complete health protection system to truly integrate technology into daily health management.



Make exercise more scientific, make fitness more fun

Smart algorithms paired with engaging interactions precisely track every movement path, turning tedious workouts into immersive gaming experiences and delivering a safe, efficient, and enjoyable new way of scientific exercise.



Full-dimensional Posture Capture & Correction

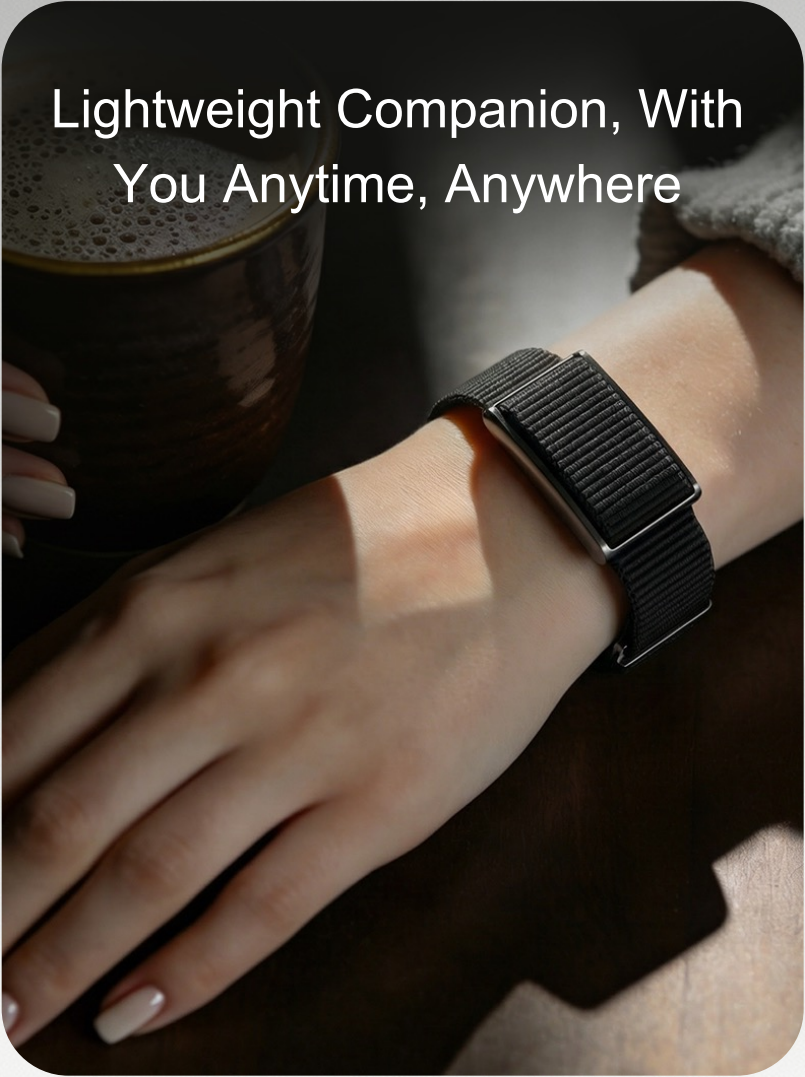
Based on 3D joint trajectory algorithms, it accurately identifies walking and running force exertion patterns, automatically analyzes and corrects poor postures, avoids sports injuries at the source, and makes every step steady and powerful.

GamiFits Connected Fun Fitness

Break the monotony of traditional fitness. Simply connect to a TV or mobile phone to launch motion-sensing game mode. Burn calories effortlessly through level challenges and competitions, making it easier to stick with regular exercise.

Dynamic Load & Fatigue Monitoring

Track heart rate zones and physical fatigue levels in real time, with intelligent alerts for risks of overexertion. Scientifically plan training intensity to balance workout efficiency and physical recovery for effective fat burning.



Lightweight Companion, With
You Anytime, Anywhere

Comfortable All-day Wear

Integrated with sensors including heart rate, blood oxygen, body temperature, blood pressure, sunlight exposure and 6-axis gyroscope, it accurately captures physical data.



14-Day Long Battery Life

Lasts two weeks on a single charge with built-in storage that retains biweekly data, so you never have to worry about interrupted records even on your busiest days.



Zero Burden to Wear

Boasting an ultra-lightweight 20g design paired with skin-friendly, breathable and waterproof straps, it delivers burden-free all-day wear as if an extension of your body..



WR30 Waterproof Design

Resistant to sweat splashes and daily rain, it operates stably whether you sweat it out in the gym or get caught in rain outdoors.



Match trendy colors at will

A variety of fashionable straps for all occasions, stylish and functional.



Convenient Fast Charging with POGO-PIN & USB-C

Adopting efficient contact charging technology paired with widely compatible USB-C ports, it delivers fast and stable charging, eliminating cumbersome charging steps to make power replenishment simple and efficient..

Powerful Hardware Specs, Engineered for Precision

Powerful internal components lay the foundation for precise monitoring, with every parameter engineered to deliver an ultimate user experience.

New Generation Bluetooth & Large-Capacity Storage



144 MHz processing speed with Bluetooth 5.3 specification, equipped with built-in FPU floating-point arithmetic processor.

Multi-dimensional Biosensing Matrix



Integrated with heart rate (PPG HRV), blood oxygen (SpO2), blood pressure and 6-axis motion sensors, delivering industry-leading data accuracy.

Compact Body Dimensions



Measuring 33 × 43.5 × 11.4 mm, it boasts an ultra-compact design that fits snugly on wrists without any bulky discomfort.

High-Speed & Low-Power Bluetooth Connection



Equipped with Bluetooth® LE 5.3, it features stable, anti-interference connectivity, faster data synchronization and lower power consumption.

Lightweight Zero-burden Wearing



The entire unit weighs only 20 grams, featherlight and comfortable for both workouts and sleep.

WR30 Professional Waterproof



Withstands daily hand washing, rain splashes and all regular water exposure, ideal for all-day wear.

Ultra-Long Battery Performance



Built-in high-capacity battery supports up to 7 or 14 days of use on a single charge.

Cross-Platform Ecosystem Compatibility



Fully compatible with iOS 12+, Android 10+ and HarmonyOS, enabling seamless cross-platform data synchronization.

Take Control of Your Health, Start with SomaMotion

Choose SomaMotion — Embrace a smarter, hassle-free healthy lifestyle.



24/7 All-Day Protection · Real-Time Monitoring

Track heart rate, sleep and activity data nonstop day and night, capturing subtle physical changes in all dimensions to build a solid line of defense for your health.



AI Intelligent Analysis · Professional Health Guide

It deeply analyzes monitored data based on big data algorithms, generates visual health reports, and offers targeted suggestions to optimize your diet and daily routine.



Efficient Fat Burning & Body Shaping

Accurately record exercise distance and calorie consumption, customize personalized training plans, and combine fun interactive modes to maximize the efficiency of every workout.



Long-Lasting Battery Life · Bid Farewell to Low-Battery Anxiety

Equipped with a low-power chip, it delivers an ultra-long 14-day runtime per full charge. It stays with you reliably whether for daily commutes or outdoor trips.

Get your SomaMotion smart fitness band now and embark on a new chapter of round-the-clock health management letting technology safeguard your well-being !