WeBe Health Monitoring Platform

Health-eTile™

The Industry's Most Comprehensive Platform for Physiological, Psychophysiological, and Wellness Data.

WeBe Band Detailed Specifications

1 PPG Sensor

Sampling frequency: 25, 100 Hz.
ADC Resolution: 24 Bits.
LEDs: 2 Green; 1 Red; 1 Infrared.
Detectors: 1 Broadband , 1 IR-Cut Detector.

2 EDA Sensor

Sampling frequency: 25, 100 Hz.
Resolution: 1 digit 950 pSiemens.
Range: 0.01 − 50 μSiemens.
Electrodes: Embedded with band with stainless steel.

3 Infrared Thermopile

Sampling frequency: 1 Hz.
Resolution: 0.01°C.
Range:-40 85°C for surface temperature

4 3 Axis Accelerometer

Sampling frequency: 25, 100 Hz.
High sensitivity moving detection across 3 axes: X,Y, and Z (16 bits/axes).

5 Event Button

🔍 www.healhtetile.io   ✉ admin@healthetile.io

Water Resistance
Protected against water jets from any angle

Battery
Power Supplier: 5V, 500mA minimum

Supply
Charging time: <1.5 hours.
Battery capacity: 330mAh 3.8V
Battery Life expectancy: 2 years

Materials
Band: Silicone.
Frame: Zinc Alloy
Top and Bottom Cover: Acrylonitrile Butadiene Styrene(ABS)+ Polycarbonate(PC)
Electrodes: Stainless Steel

HIPAA COMPLIANT

ISO International Organization for Standardization **13485** Quality Management System

How WeBe Band stacks up against the competition	WeBe	Consumer Grade Smartwatch	Medical Grade Wearables
Data Acquisition			
4-Channels PPG (Raw)	✓	✗	✗
GSR/EDA	✓	✓	✗
Temperature	✓	✓	✓
3-Axis Accelerometer	✓	✓	✓
Configurable sampling rates: 25–100 Hz	✓	✗	✗
SpO2	✓	✗	✓
Physiological Analytics			
HRV	✓	✓	✓
Actigraphy	✓	✗	✗
Sleep Analysis *	✓	✗	✓
Fall Detection *	✓	✗	✗
Stress Analysis *	✓	✗	✗
Respiratory Rate *	✓	✗	✗
Platform Integration			
iOS and Android SDK – Python SDK	✓	✗	✗
Real-Time monitoring Online/Offline Monitoring	✓	✗	✓
Patient Management (Survey and etc)	✓	✗	✗

* Research Grade

- **Comprehensive Research Grade Wearable**
- **Seamless Data Management**
- **Real -Time Participant Engagement**
- **Event Marker Button**
- **Up to 14 Days Battery Life**
- **High-Precision Sensors**

Bluetooth Memory Respiration Blood Pressure Stress Sleep PPG GSR Accelerometer Temperature Web Dashboard Event button SpO2

WeBe Connect
Your App, Cloud, and Real-Time Access

WeBe Connect Platform

| Web Dash | AI | API / SDK | Device | Phone APP | Cloud |

Actionable Health Insights - Over 20 Physiological And Health Biomarkers

Stress Level · **HRV** · **Blood Pressure** · **SpO2** · **Sleep Tracking** · **Hydration Level** · **Actigraphy** · **Respiration Rate**

Advanced Data Visualization:
Real-time, customizable visualizations of key physiological, psychophysiological and wellness metrics, in an intuitive, easy-to-navigate dashboard.

Comprehensive Patient Management:
Effortlessly add, remove, and manage participants, with detailed profiles and health data organized for easy reference and streamlined study administration.

On-demand Survey:
Create tailored surveys with an easy-to-use survey design tool, deploy them directly to participants' mobile devices, and collect timely feedback to enrich your study insights.

Data Export for In-Depth Analysis:
Download raw data in Excel format or other preferred formats for advanced analysis, integrating seamlessly with your analytic tools and workflows.
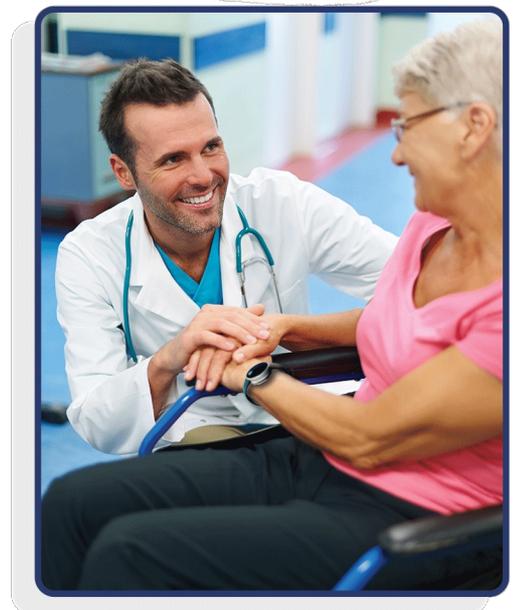
Secure, HIPAA-Compliant Platform:
Ensure data privacy and security with our HIPAA-compliant infrastructure, safeguarding all patient information and research data.

Data Backup & Recovery:
Ensure continuous access to data with our secure backup and recovery options, preserving research integrity and data continuity.

Bluetooth · Memory · Respiration · Blood Pressure · Stress · Sleep · PPG · GSR · Accelerometer · Temperature · Web Dashboard · Event button · SpO2