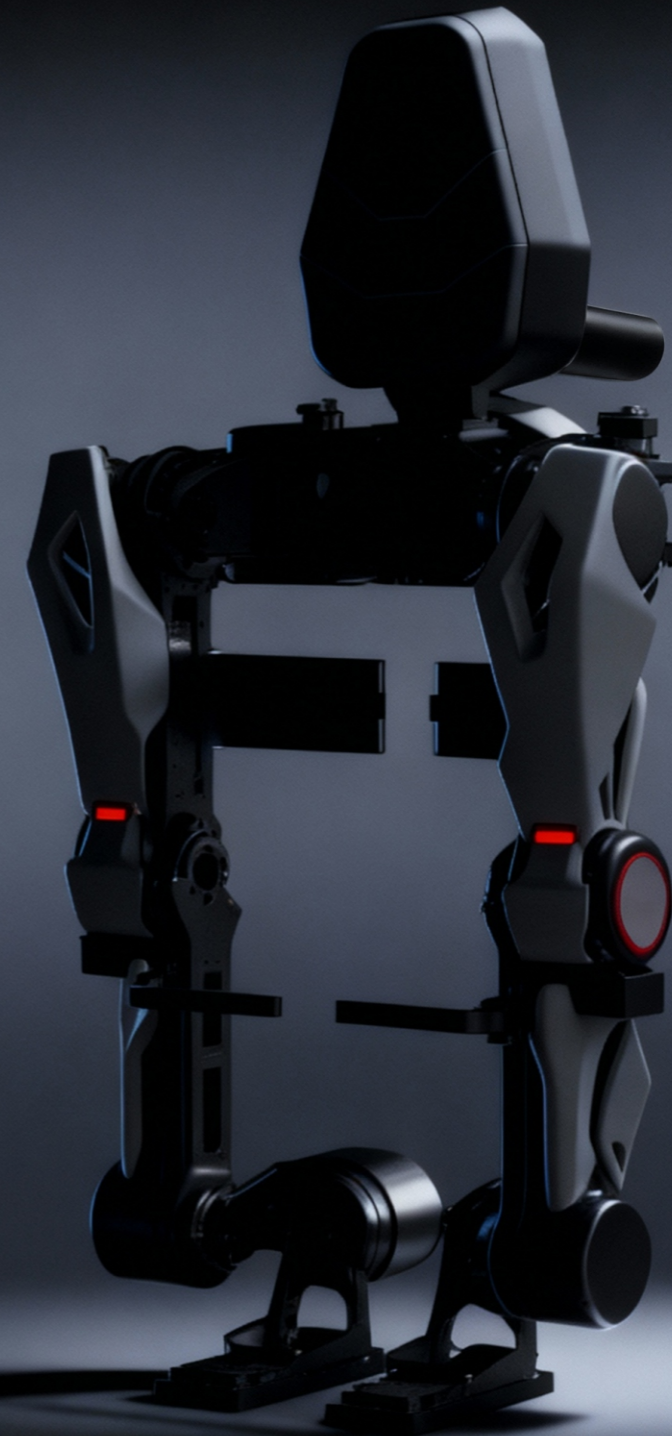


# Heimgear

Redefining human capability



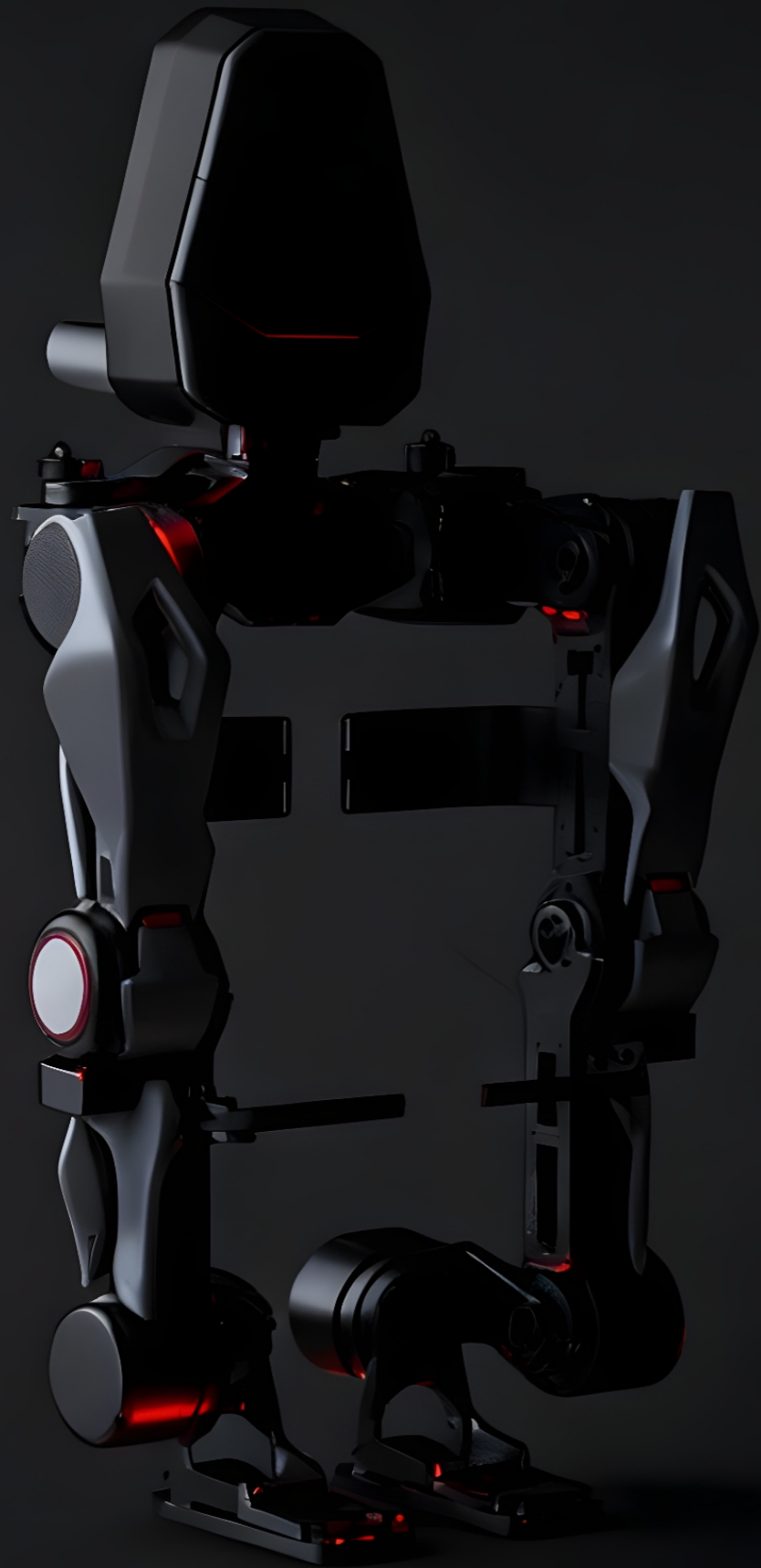
T1

# Heimgear

Redefining human capability

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

[info@heimgear.com](mailto:info@heimgear.com)



## T1 PRODUCT SPECS

MAX. SPEED:

**5** KM/H

WEIGHT:

**60** KG

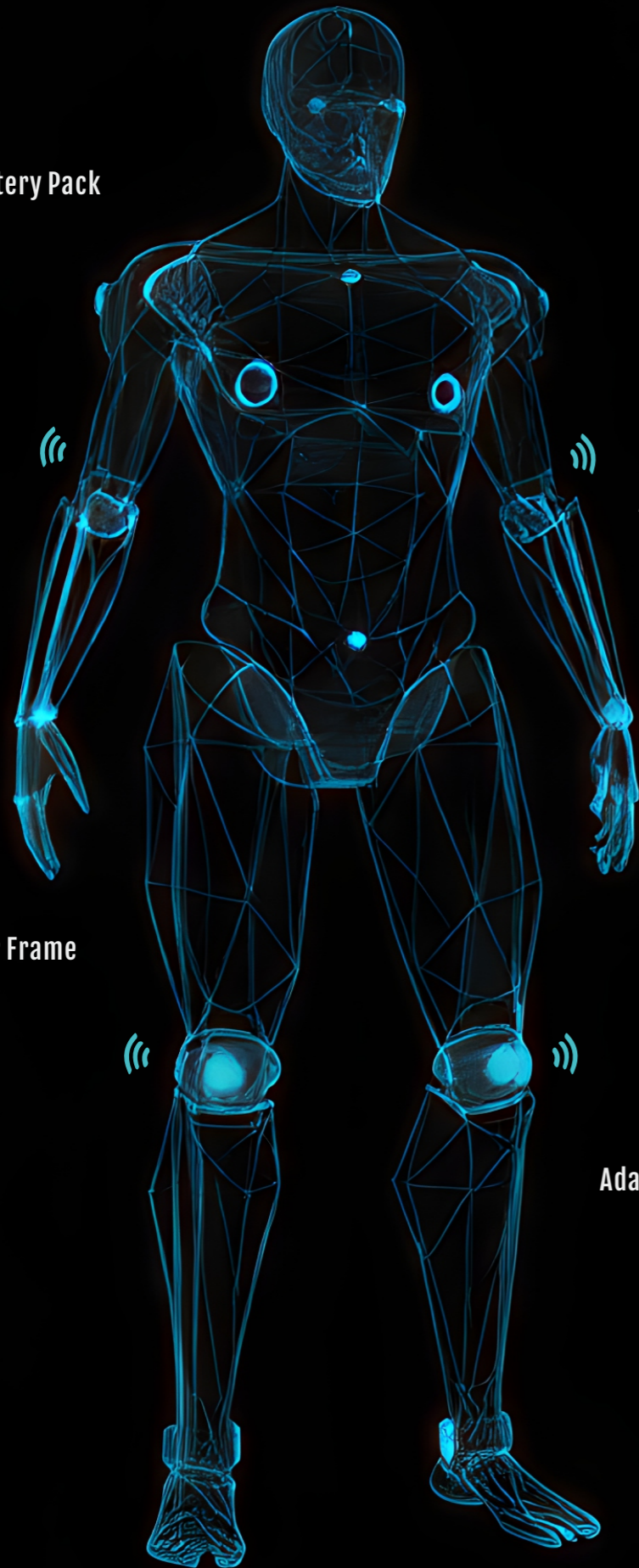
WEIGHT SUPPORT:

**100** KG

BATTERY LIFE:

**8** HRS

Modular Battery Pack



AI-Powered Joints

Servo Motor Array

Carbon Fiber Frame

Adaptive Sensor Array

## T1 TECHNICAL SPECIFICATION

Weight (with battery): **60 KG**

Dimension Height: **120 CM**

Battery Life(continuous): **8 HOURS**

Material: **Carbon Fiber**

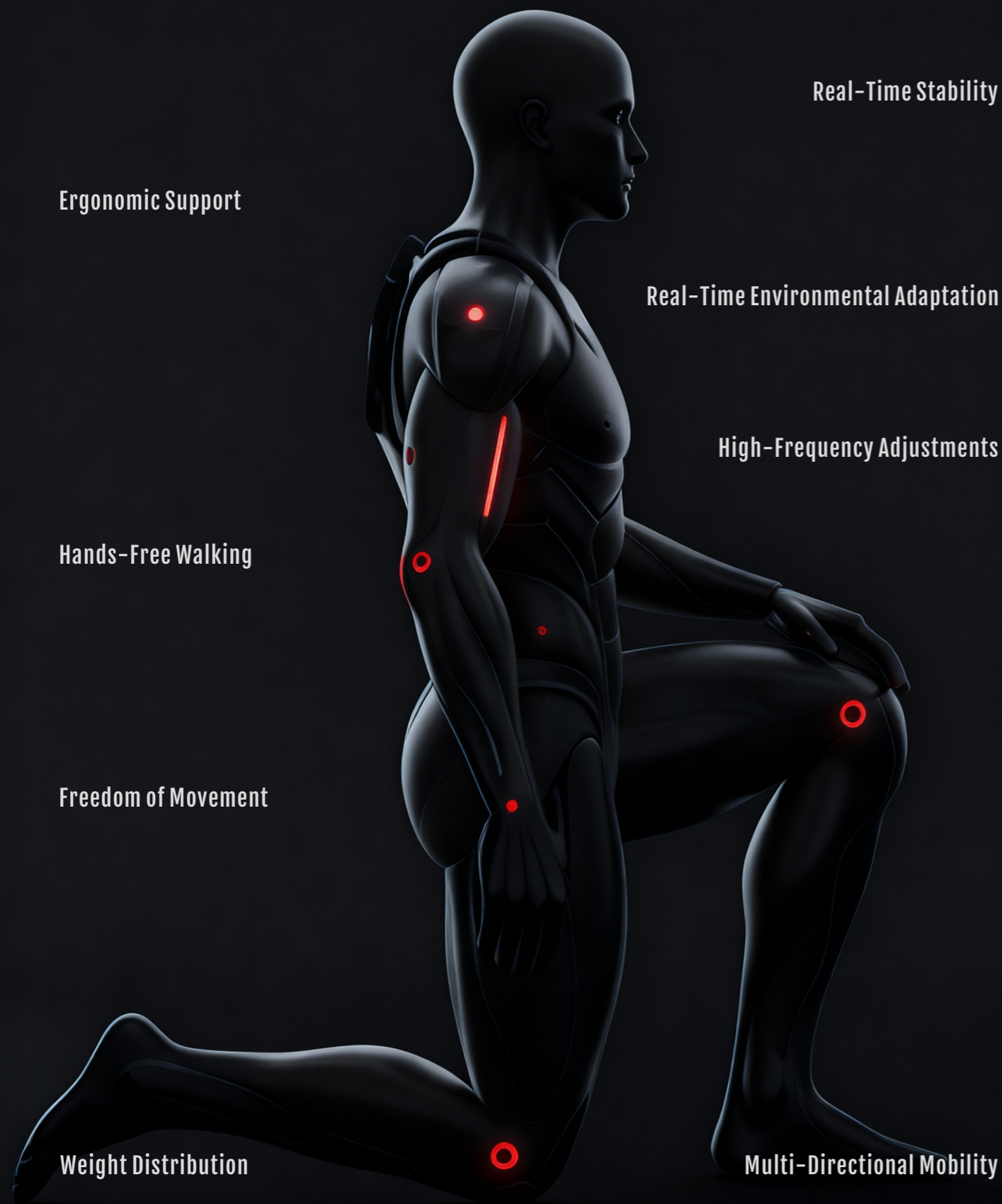
Actuation Type: **Servo motors**

Load: **100 KG**

Connectivity: **Bluetooth 5.0 Wi-Fi**

Motors: **12**

Sensors: **27**



Ergonomic Support

Real-Time Stability

Real-Time Environmental Adaptation

High-Frequency Adjustments

Hands-Free Walking

Freedom of Movement

Weight Distribution

Multi-Directional Mobility

## T1 MAIN FEATURES

### **Self-Balancing Technology**

Hands-Free Walking  
Real-Time Stability  
Multi-Directional Mobility

### **Adaptive Gait System**

Real-Time Environmental Adaptation  
High-Frequency Adjustments  
Personalized Gait Optimization

### **Intelligent Assistance and Customization**

Adjustable Assistance Levels (ActiveGait)  
Natural Gait Simulation (RealGait)  
Independent Mobility Capability

# HEIMGEAR CORE TECHNOLOGIES

## 自平衡技术

Self-Balancing Technology



### 免手扶行走

#### Hands-Free Walking:

AI-driven self-balancing technology that eliminates the need for crutches or walkers



### 实时稳定性

#### Real-Time Stability:

Maintains stability even when pushed, ensuring user safety



### 多方向移动

#### Multi-Directional Mobility:

Supports forward, backward, and lateral walking, providing complete freedom of movement

## 自适应步态系统

Adaptive Gait System



### 实时环境适应

#### Real Enviro-Adaptation:

Collect and process massive amounts of data from 27 sensors and multiple environmental cameras in milliseconds



### 自适应步态系统

#### High-Frequency Adjustments:

Makes 200 adjustments per second, ensuring smooth walking across different surfaces (concrete, carpet, tile)



### 个性化步态优化

#### Personalized Gait Optimization:

AI generate optimized, realistic gait patterns tailored to each user

# HEIMGEAR CORE TECHNOLOGIES

## 智能辅助与个性化

Intelligent Assistance and Customization



### 可调节辅助水平

#### Active Gait:

Allows symmetrical assistance level adjustments, enabling therapists to customize rehabilitation processes



### 自然步态模拟

#### Real Gait:

AI-engineered to generate optimized walking patterns that mimic human biomechanics



### 独立移动能力

#### Independent Mobility:

Users can independently sit, stand, squat, and move, including bending to pick up objects

## 持续升级中

Continuously upgrading

### Solicit your valuable opinions:

We need your valuable opinions so that the product can truly help more people.

Please send your advices to:  
[info@heimgear.com](mailto:info@heimgear.com)

# HEIMGEAR OTHER EXOS

S1



Suitable Height: 155-200CM  
Weight: **2.4KG**  
Battery Life: 4HRS  
Labor-saving efficiency: **35%**  
Water Proof: IP5X

R1



Suitable Height: 155-200CM  
Weight: 160KG  
Battery Life: **6HRS**  
Max. Speed: **4KM/H**

C1



Dimension: 87\*74\*58CM  
Max. Load: **80KG**  
Battery Life: **8HRS**  
Labor-saving efficiency: **75%**

More...



Your needs and suggestions will help us create more products that help humanity

# Heimgear