Datasheet: Skinetic - Creators Edition

Skinetic Creators Edition is the first haptic suit integrating high definition vibrotactile actuators. With Skinetic, we bring a sense of touch for extended reality.

Skinetic Creators Edition integrated twenty high-definition haptic actuators, enabling you to make you feel every interaction in a virtual environment on the torso.

Through the fusion of fashion and high-technologies, we designed a genderless and unisize wearable device to deliver immersive VR for everyone.

Suggested Applications
● Entertainment: XR, Gaming, Cultural, Music   ● Enterprise: Training, Simulation, Sensitization

Table 1. Skinetic suggested applications

Feature	Benefits
Haptic	● Wideband motors covering most of tactile sensitivity. ● Short response-time
Design	● One-size-fits-all ● Fast dressing
Communication	● Integrated Haptic Engine ○ USB, Bluetooth, WiFi ● Multichannel Audio Interface ○ USB

Table 2. Skinetic Creators Edition kley benefits

Technical Specifications

Vest design

Parameter	Specification	Details
Feedback points	20 Wideband Haptic Actuators	
Size	One-size-fits-all	XS to XXL
Dressing time	< 1 min	
Fitting points	6	2x rigid on shoulders 4x stretch on sides
Weight	2.4kg	Vest: 1.8kg Battery: 610g

Electrical Characteristics

Parameter	Specification	Details
Input voltage	20V	
Battery Energy Value	100Wh	
Battery Autonomy	Up to 8 hours	in standard usage conditions
Battery Charge duration	3 hours	with a 45W charger

Connectivity

Parameter	Specification	Details
USB	Multichannel Audio Interface	USB Audio Class 2.0, 20 channels
USB	HID	Command based
Bluetooth 5.0	Serial	Command based
WiFi protocol	WiFi 4	Command based

Environmental characteristics

Parameter	Specification	Conditions
Operating temperature	[-20 °C; 40 °C]	
Storage temperature	[-40 °C; 70 °C]	

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