



AgileMaster

Motion Capture Solution for Embodied AI

Capturing every joint in real time

MoCap Suit V100-R Plus records full-body human movement instantly across 15 tracked joints — no external cameras.

Retargeting, already built in

Captured motion is mapped directly onto the robot's joints — controlling real hardware directly, or streaming into NVIDIA Isaac Sim for digital twin training.

Training the next generation of robot learning

Each session becomes high-fidelity demonstration data for imitation learning — accelerating Physical AI and VLA-based robot training at lower cost and complexity.



One-Size
MoCap Suit



15 Nine-Axis
IMU Sensors



Integrated
High-Precision
Finger Capture



100 Hz
Performance



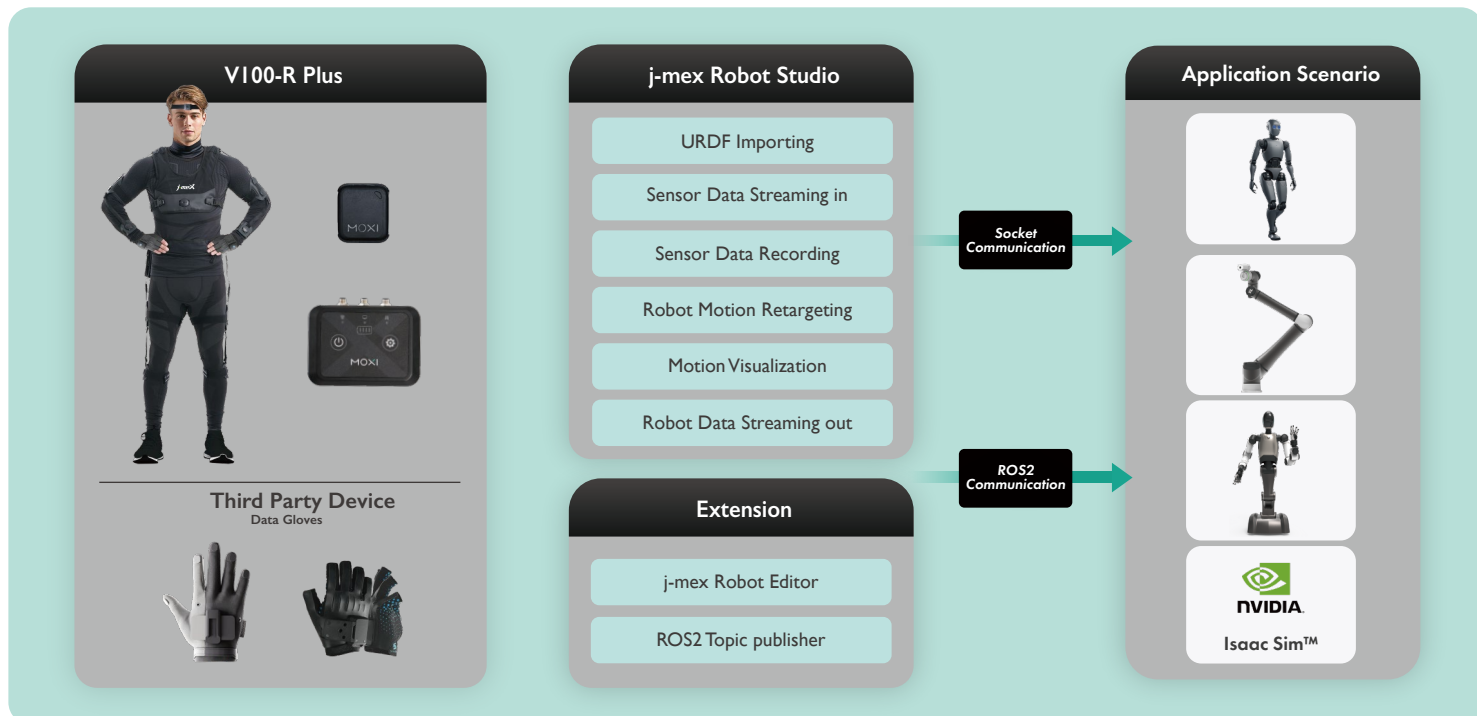
Advanced Wireless
Transponder

ROS2

ROS2 support



NVIDIA Isaac™
support



Transponder 1.0

Battery	Li-polymer, 2,000mAh
Battery run time	> 4 Hrs
Wi-Fi	Dual band, Wi-Fi 4, Wi-Fi 5 or Wi-Fi 6
Dimension & Weight	60.2 x 76.8 x 12mm, 75 g
Button	Power switch
Indicator	Battery capacity, PC or Wi-Fi linking, Cloth linking, Panty linking

App

TransEZ App For configuring the Transponder

Software

MOXI Player for Robot

For windows 10, 11

- MOXI Robot SDK
- URDF Importer*
- Advanced Retargeting
(Preconfigured for Unitree humanoid/ quadrupeds & Realman robot arms)

1.MOXI Receiver for Robot (in ROS2)

For Ubuntu (Linux) 22.04 / 24.04

- Supports Isaac SIM / Lab
- For ROS2 Humble and Jazzy editions on Linux

2.MOXI Receiver for Robot (in Python)

MOXI Robot Editor

For windows 10, 11

- Initial pose setting
- Controller position setting
- Merge URDF

*Custom requests are subject to an NRE fee.

MOXI sensor specs

Wireless Sensor (x1)	9-axis IMU sensors
Sensor Battery Capacity	120mAh, about 4.5 Hrs
Wireless Communication	Bluetooth
Dynaamic accuracy	$\pm 2^\circ$
Dimension & Weight	37 x 37 x 10mm, 13g
Data Output & streaming data rate	100Hz

Sensor Specifications (Built-in)(9 axis IMU sensors)

Sensor hub (x2)	42mm x 9.12mm, 8g
Dimensio & Weight	
Sensor unit (x12)	32mm x 6.64mm, 3.8g
Dimensio & Weight	
Dynamic accuracy	$\pm 2^\circ$
Angular accuracy	Rounding to the 2nd decimal place
Data Output & streaming data rate	100Hz

Windows system requirements

CPU	Intel® Core™ i7
Memory	16GB above
Graphics	NVIDIA® GeForce RTX™ 4060 (recommended)

*Note: j-mex Robot Studio provides technical integration and compatibility with third-party devices and platforms mentioned herein. All product names, logos, and brands are property of their respective owners.

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