IO-AI TECH

WE RELEASE

IO-ULTRA-EMBODIMENT

A DATASET CONTAINS MASSIVE-SCALE MULTI-MODAL HUMAN ACTIVITIES
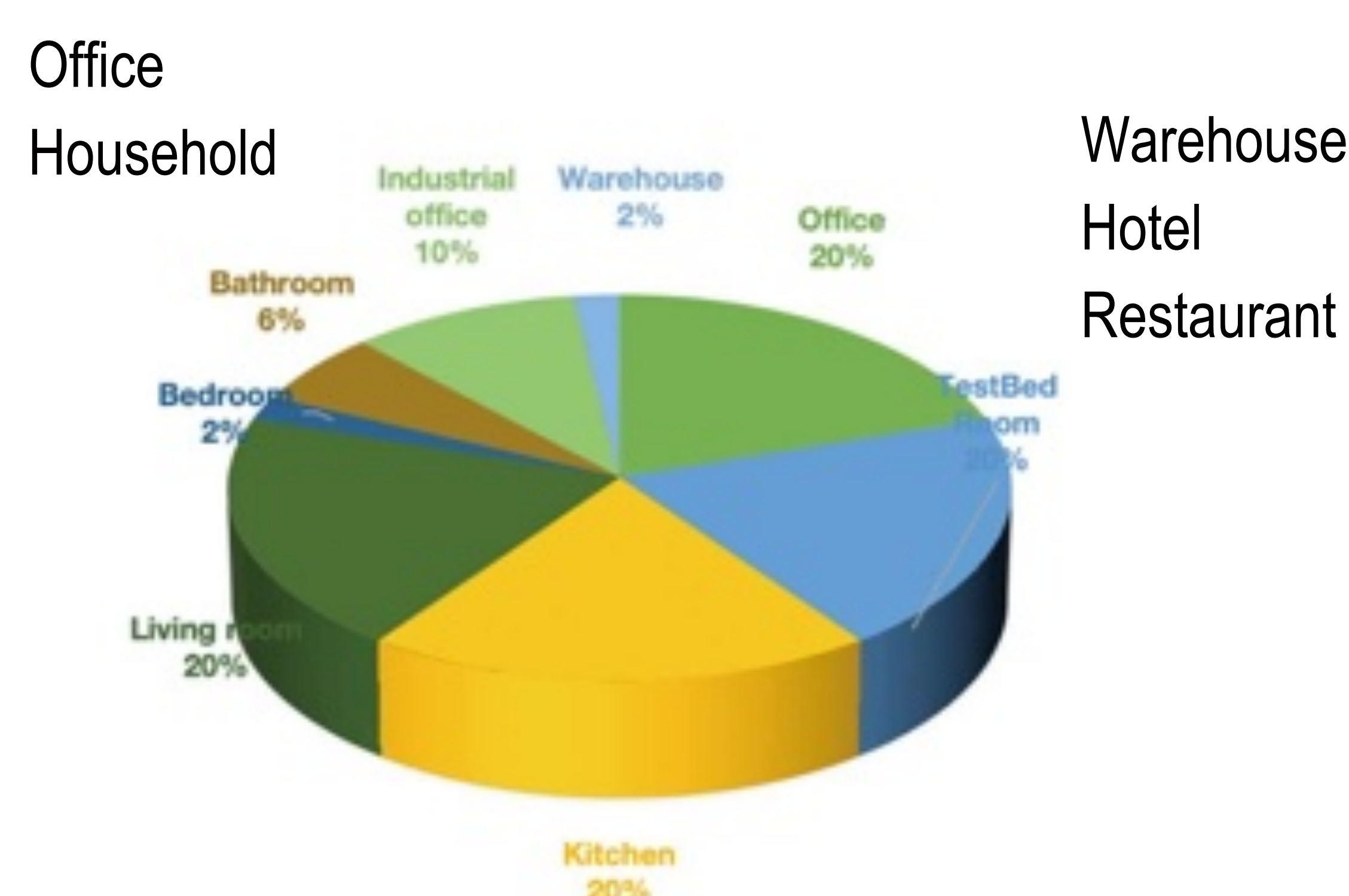
DATASET STATISTICS

MASSIVE-SCALE
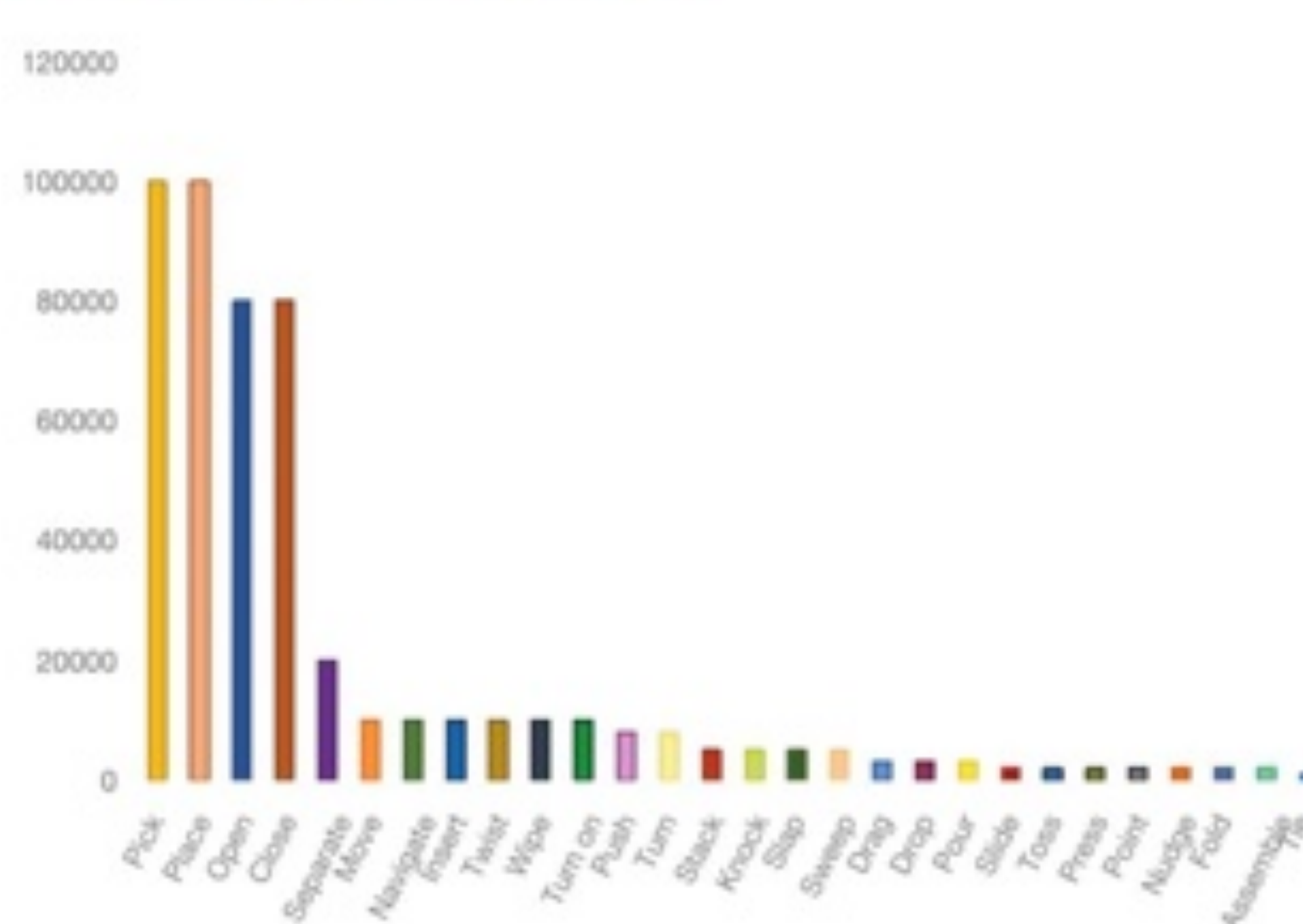
Scripted: 500k trajectories
Real-Scenario: Hundreds of hours

MULTI-SCENE

NO TOY SCENES ANYMORE!

Office
Household

Warehouse
Hotel
Restaurant

MULTI-TASK

MULTI-MODAL

Vision: 3 RGB + 1 Depth + 1 Fisheye
Action: whole body movement
Tactile: hands + feet
Audio: via a circular 4-mic array
Label: natural language task description

DATA COLLECTION DEVICES

Mocap Suit
☑ Self-developed
☑ Low-cost
☑ 17 IMUs

Helmet
☑ 5 channel images
☑ Circular mic array
☑ Size adjustable

Gloves
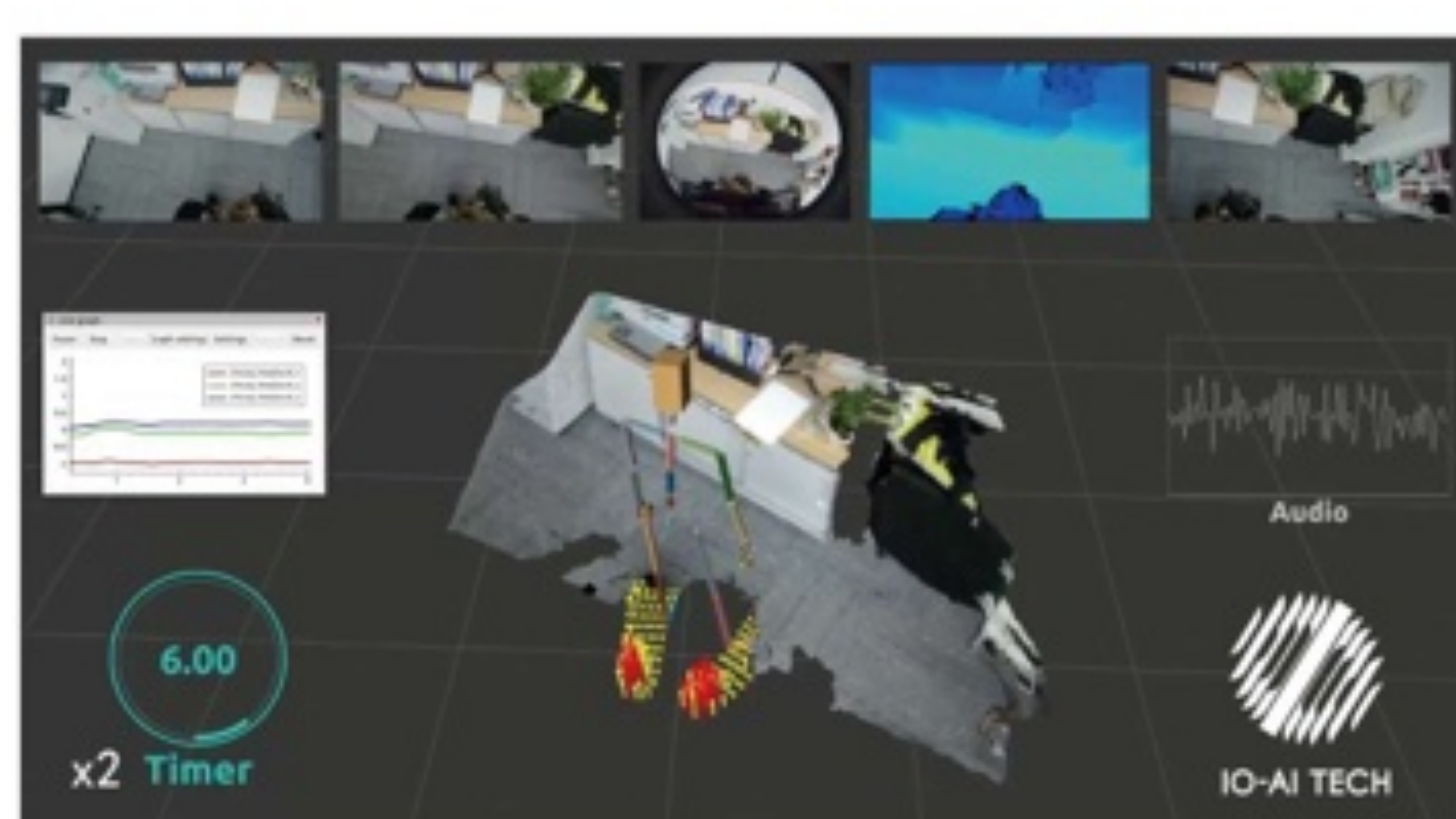☑ Tactile Collection OR Haptic feedback
☑ 10 contact points each hand

Shoes
☑ Pressure sensor array
☑ 99 contact point each foot
☑ Waterproof

TELEOPERATION PLATFORM

Same devices for a generalrobot teleoperation platform

More Affordable: no additional master robots required

More Accurate: fused visual and motion results

Join Waiting List

IO-AI.Tech

Github Example