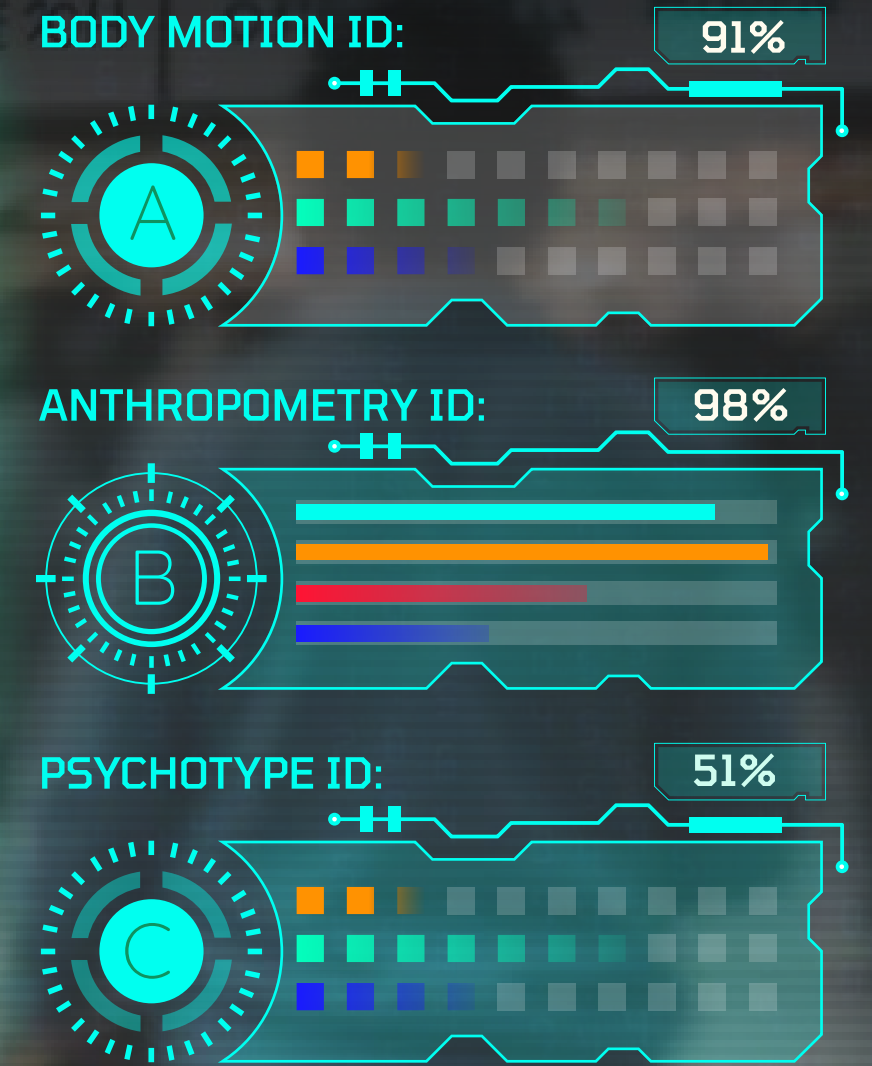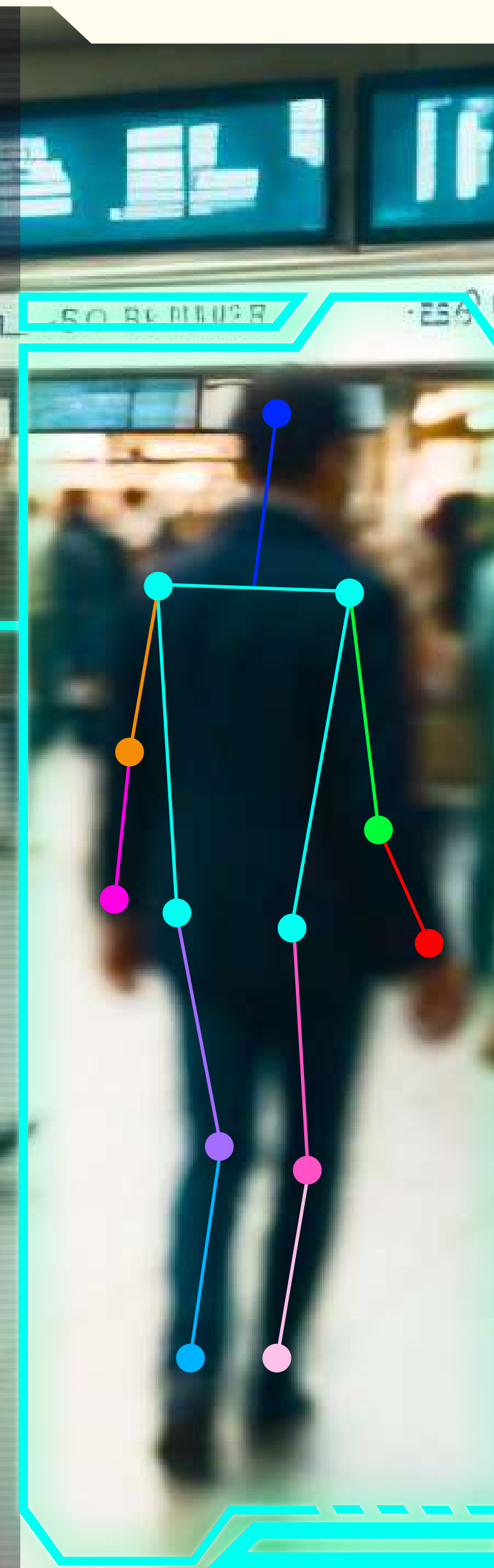# ethogram.io

is pioneering a revolutionary **"AI Biometric ID"** system designed to remotely identify individuals and predict their personality psychoprofiles using body motion data from CCTV footage and other sensors.

BODY MOTION ID: 91%

ANTHROPOMETRY ID: 98%

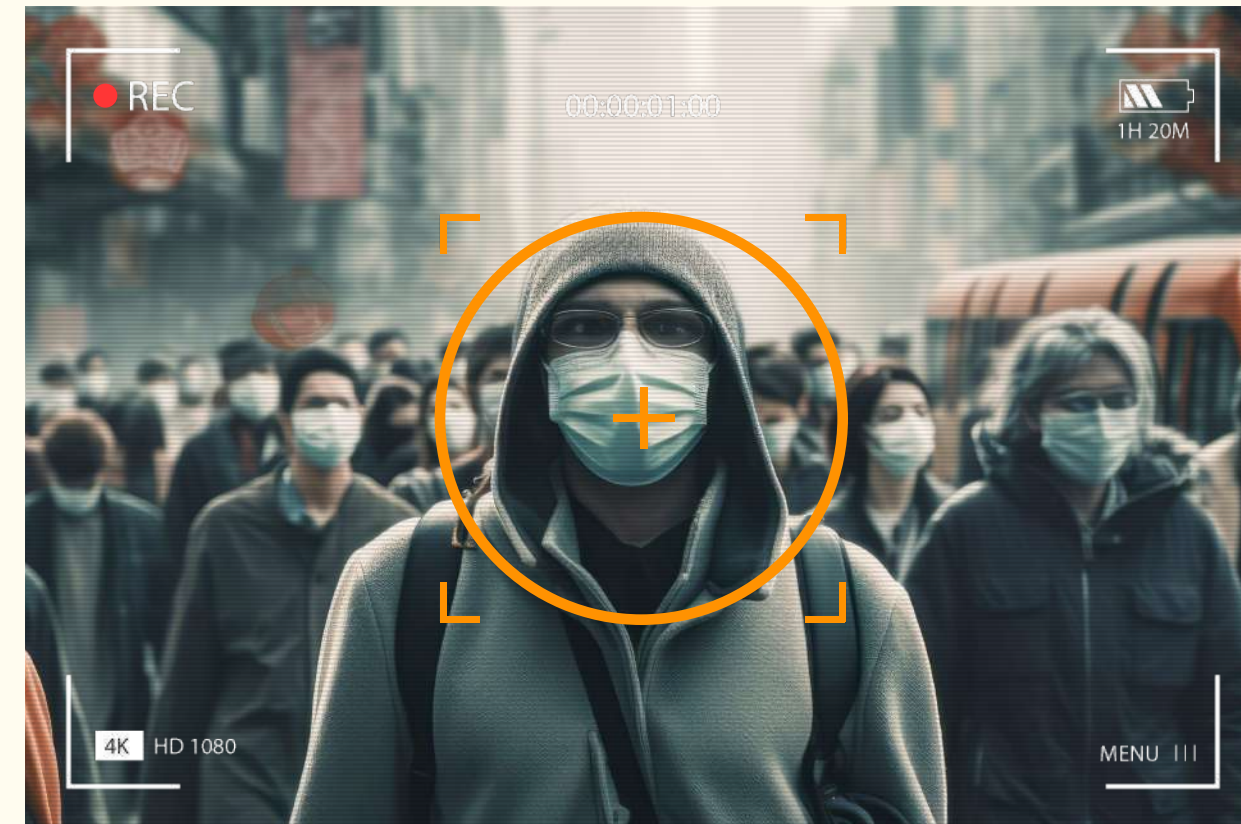PSYCHOTYPE ID: 51%

A

B

C

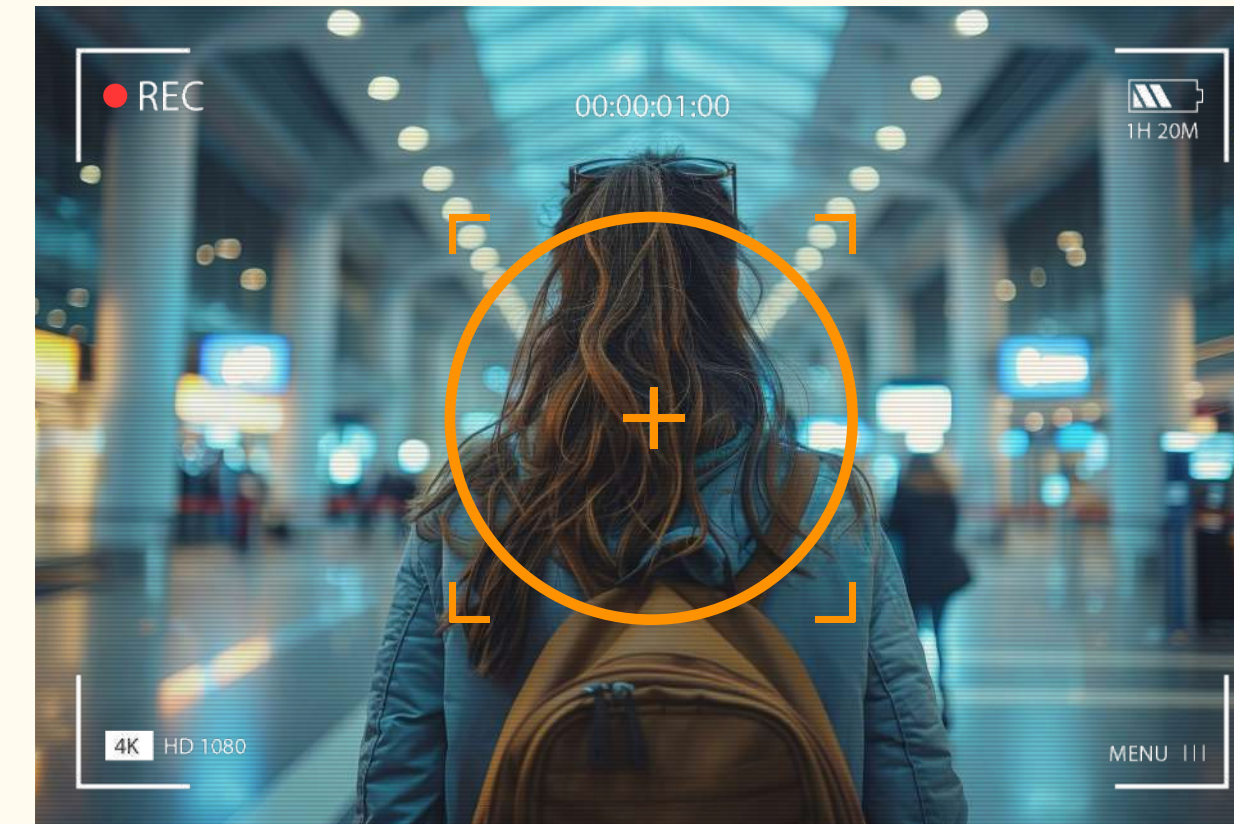**VIEW MORE:**

PROBLEM

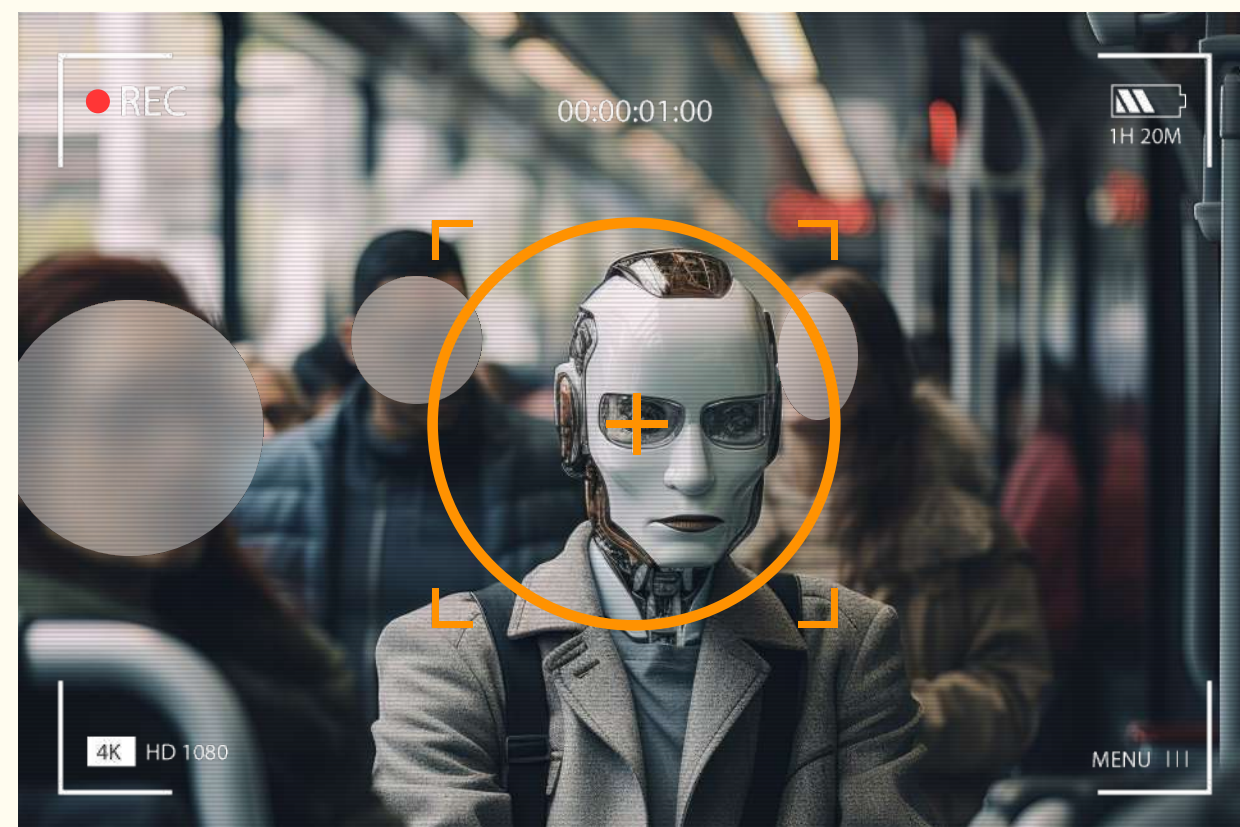What current CCTV-based identification issues we face:

Race and ethnicity bias-free identification

"No visible face" identification

"From the back" identification

Disguise resistant identification

no data available

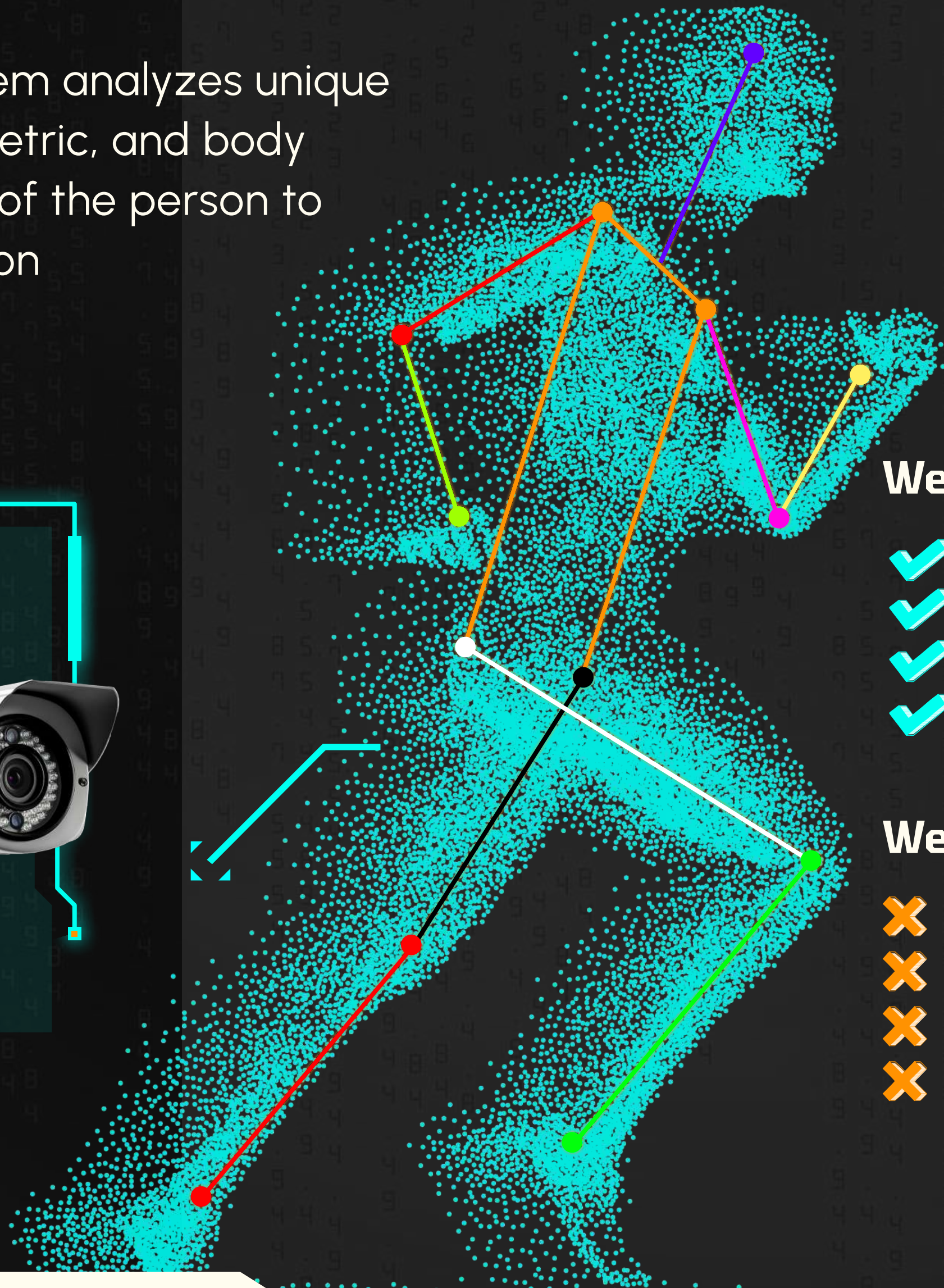**Inability to predict a psycho profile**

Forbidden zones (e.g. healthcare, changing rooms, etc)

SOLUTION

"AI Biometric ID" system analyzes unique behavioral, anthropometric, and body motion characteristics of the person to create a next generation biometric profile.
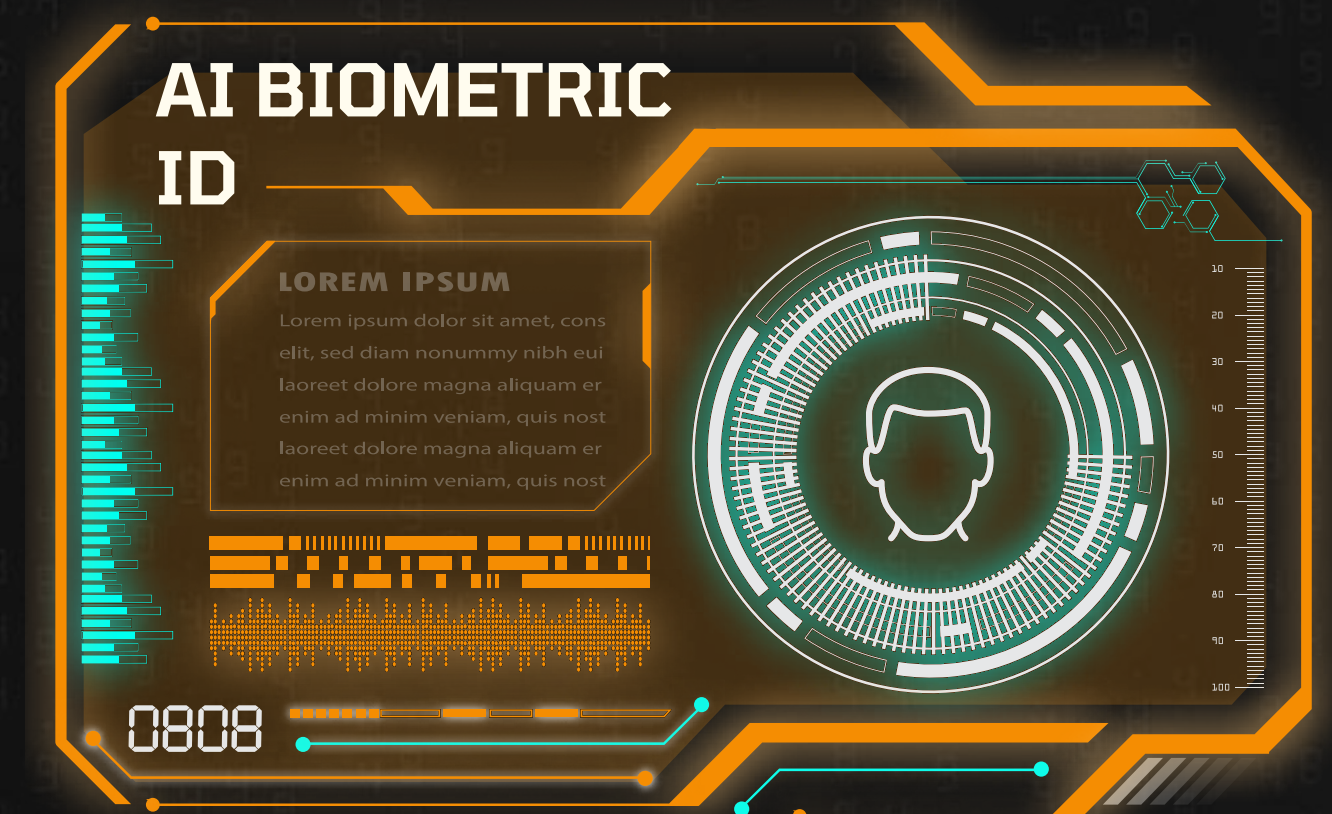

CCTV + LIDAR Setup

ETHOGRAMIO DATA PROCESSING ALGORITHMS

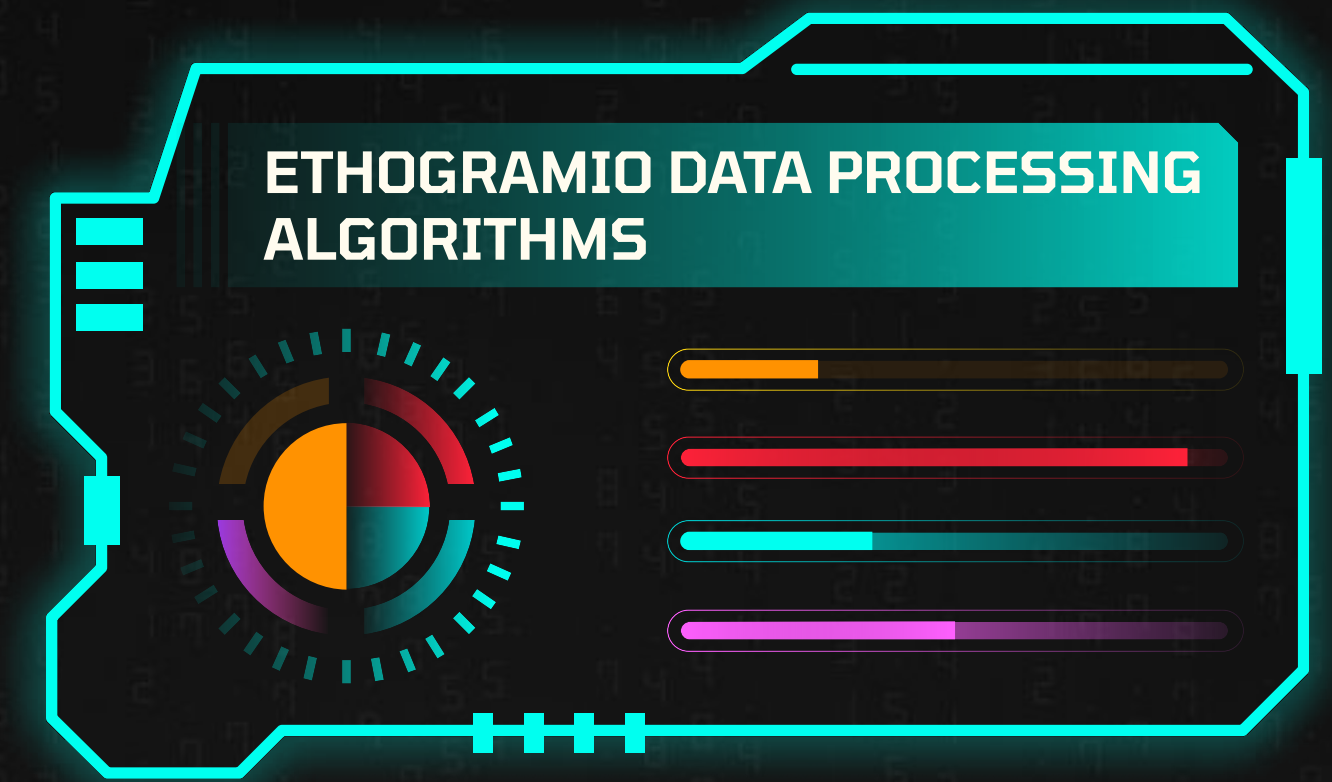## We use:
- ✔ Body motion,
- ✔ Gestures,
- ✔ Behavioral patterns,
- ✔ Anthropometry,

We do not use:
- ✘ Facial recognition
- ✘ Finger print
- ✘ Iris scan
- ✘ RFID

AI BIOMETRIC ID

LOREM IPSUM

Lorem ipsum dolor sit amet, cons elit, sed diam nonummy nibh eui laoreet dolore magna aliquam er enim ad minim veniam, quis nost laoreet dolore magna aliquam er enim ad minim veniam, quis nost
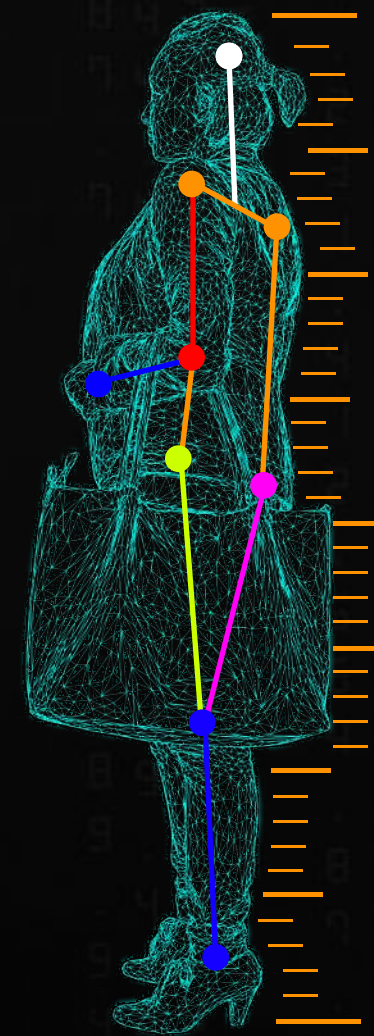
0808

HOW IT WORKS:

"AI Biometric ID" is a composite profile that is composed of three unique sets of parameters every human being possesses, which are calculated with our modules:
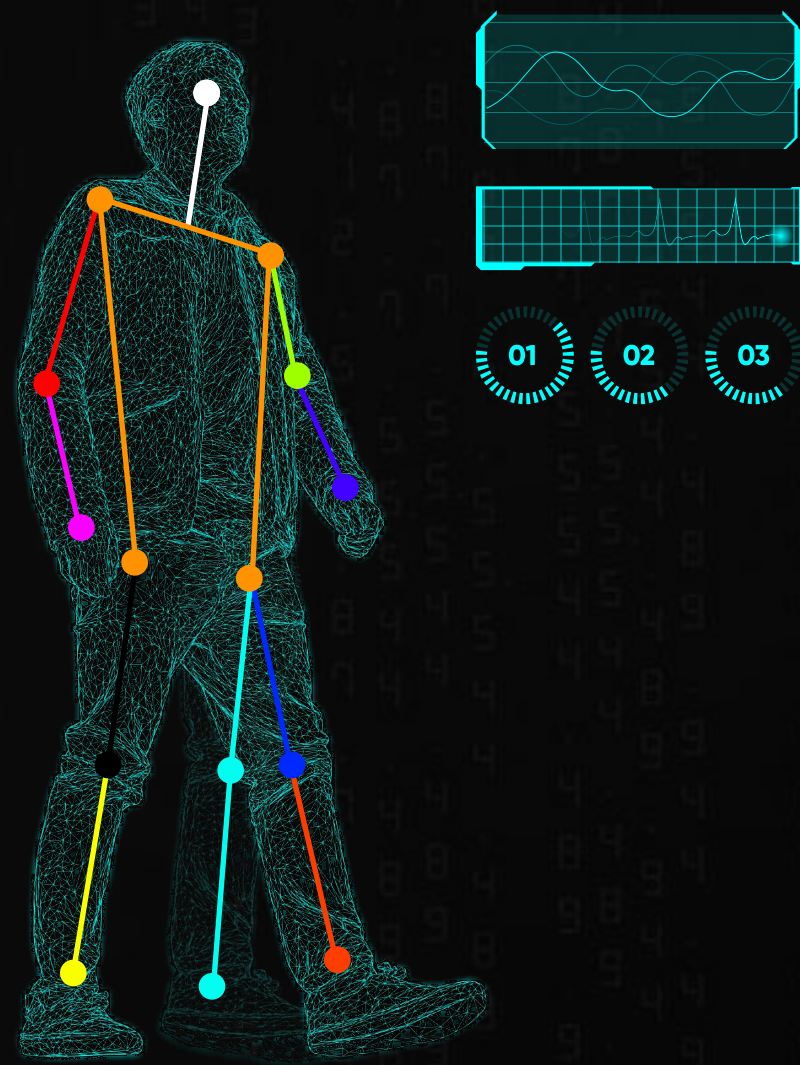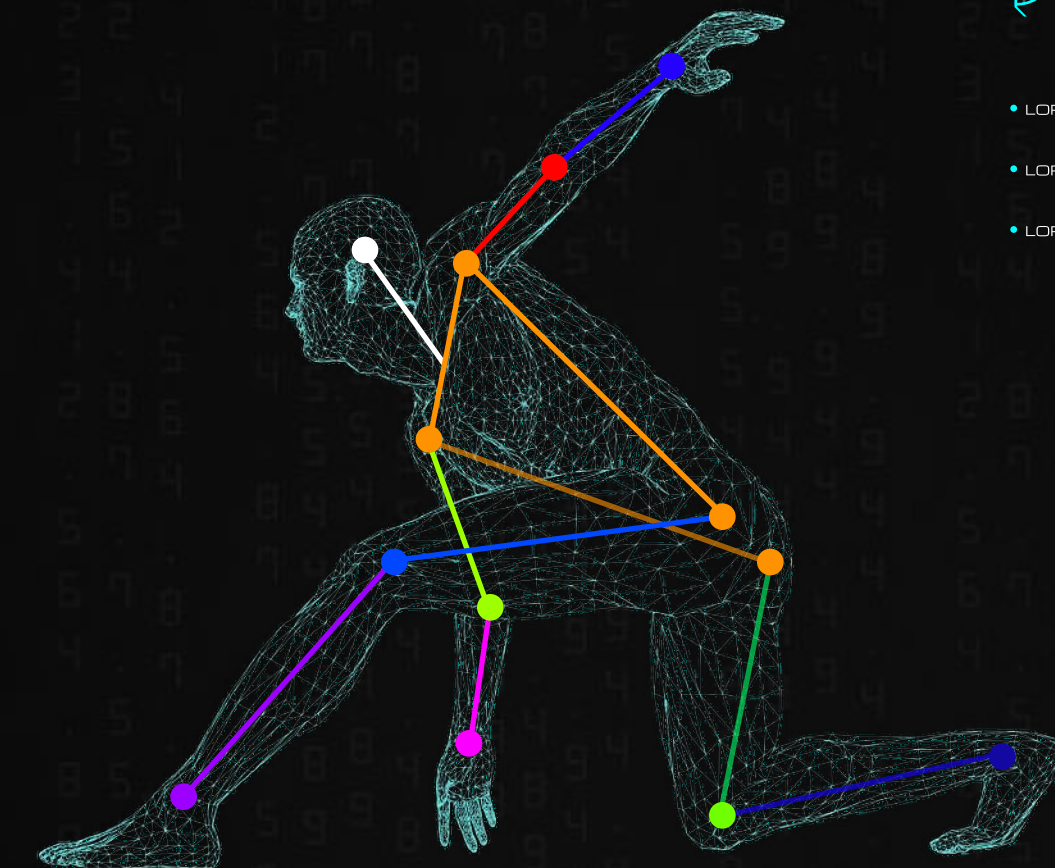
BODY MOTION ID MODULE

a set of unique characteristics of person's gait and gestures.

ANTHROPOMETRY ID MODULE

a set of unique characteristics of person's height, limbs' size, axis and proportions.

PSYCHOTYPE ID MODULE

a personality traits profile based on HEXACO system generated by the machine learning algorithms plus posture, gestures and unique motion patterns.

*We utilize three independent IDs which are based on different characteristics. When combined they form a unique holistic AI Biometric ID.

DEGREE OF INNOVATION

AI Biometric ID is a radical innovation rather than incremental. Due to IoT computation power and sufficient level of data processing we can finally open a new chapter in human behavior studies. Our machine learning algorithms went further than present facial recognition technologies. **We now analyze the whole human body, its motion, gestures and gait patterns, and even psycho profiles.**

Our product is not only aimed to put human identification and profiling to the next step in the development, but to produce a lot of valuable data for upcoming public security, military, and retail R&D projects and collaborations with academia.

FUTURE PRODUCTS AND DEVELOPMENTS BASED ON THE AI BIOMETRIC ID:

- DNA matching collaboration

- Body motion for film CGI based on personality profiles

- Drones and automated turrets smart aiming
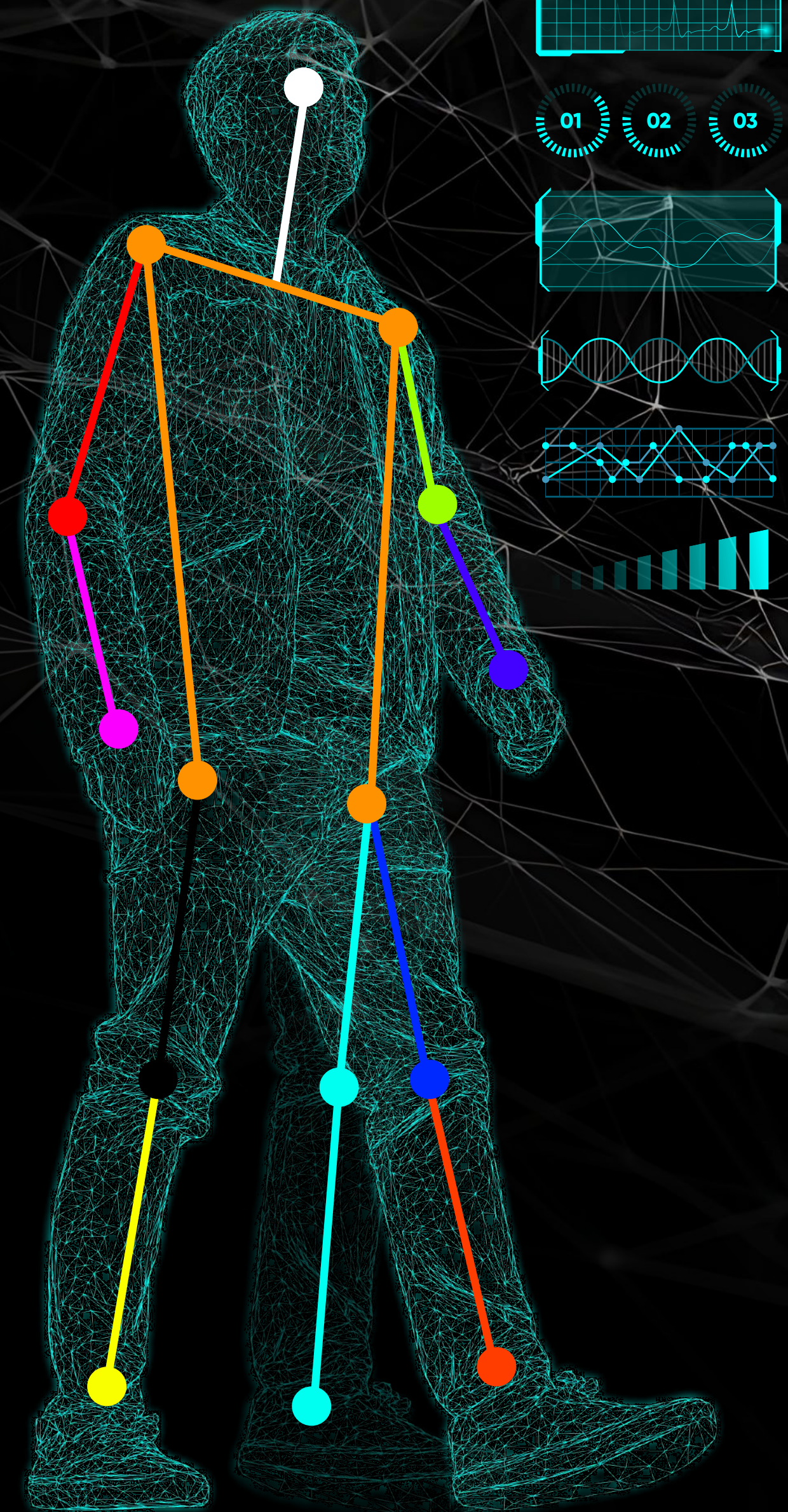
COMPETITION

FACIAL RECOGNITION

There are multiple companies providing Facial Recognition for surveillance, identification and tracking. However, all these products use face and fail when the face can't be scanned.

RECOGNITION AND TRACKING

Several companies provide recognition and tracking using only physical attributes, such as type and color of the outfit or body shape. As an example – **People Tracker** by CyberLink. But all these platforms don't actually identify a person, they track attributes of the person of interest. So, it's not disguise resistant and gives not much additional information.

PEOPLE COUNTING TECHNOLOGIES

They are using models that can predict age, gender, some anthropometric information, but they're unable to identify people without facial recognition.

GAIT PROFILING

One of the closest products available on the market we consider **Watrix**, a Chinese company that provides gait profiling and people identification. In 2021 they've got $42 million funding and now provide their services to Beijing Police. While they're using gait profiling, we're going even further – our AI Biometric ID has several levels of motion and behavioral data.

PREVIOUS GENERATION

Apart of automations and computer vision models, there are "old school" technologies on how to identify certain parameters of gait and gestures. Companies like **NASS**, still helping to train Aviation and Transportation Security staff. They are using a world-renowned Behavior Pattern Recognition program. Something very close to what ethogramio will do but using AI.

UPCOMING TECHNOLOGIES

The science has started to look deeper into the problems of criminal behavior and personality traits. That makes ethogramio in line with new developments in sociology and criminology.
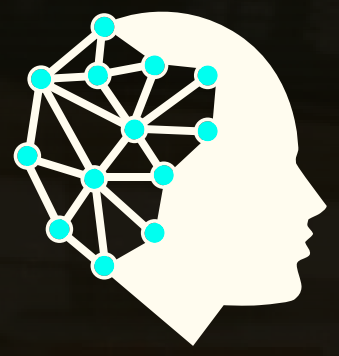
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