# EU Data Act Transparency Declaration

**Product:** ECOVACS DEEBOT T50 PRO Omni **Model Series:** T50 Series (Successor to T30 PRO) **Manufacturer:** ECOVACS Robotics Co., Ltd. **Date:** December 2025

## 1. Nature and Scope of Data Generated

The **DEEBOT T50 PRO Omni** is a high-end AI-driven robot that generates complex data streams to manage navigation, obstacle avoidance, and station maintenance:

- **Spatial & Visual Mapping Data:**
    - **TrueMapping (LiDAR):** Generates precise 2D and 3D floor plans of the home.
    - **AIVI / TrueDetect 3D:** Uses cameras or structured light sensors to identify and classify objects (e.g., cables, shoes, pet waste) in real-time to avoid collisions.
    - **Video Manager (If enabled):** If the user activates the "Home Monitoring" feature, the robot generates a live encrypted video stream.
- **Station Telemetry (OMNI Station):**
    - **Thermal Data:** Monitors water temperature to ensure the 75°C mop washing standard is met.
    - **Fluid Levels:** Sensors track the Clean Water Tank, Dirty Water Tank, and the intelligent dosing of the cleaning solution.
    - **Hot Air Drying:** Status of the drying cycle.
- **Operational Data:**
    - **Extending Mechanisms:** Usage logs of the TruEdge™ (extending mop/side brush) system.
    - **Cleaning Stats:** Suction power usage (up to 15,000 Pa), area cleaned, and duration.
- **Voice Data (YIKO):**
    - If using the built-in **YIKO** voice assistant, audio commands are processed to execute cleaning tasks (e.g., "OK YIKO, clean under the sofa").

## 2. Data Storage and Processing Architecture

ECOVACS employs a privacy-focused architecture, particularly regarding visual data:

- **Local Processing (Edge AI):** The processing of images for obstacle avoidance (identifying an object as a sock vs. a wire) happens **locally on the robot's AI chip**. These images are generally processed instantly and deleted; they are not uploaded to the cloud by default.
- **Cloud Storage:**
    - **Maps & Logs:** Floor plans and cleaning history are encrypted and synchronized to the cloud.
    - **Server Location:** For users in the **European Economic Area (EEA)**, ECOVACS stores data on **AWS (Amazon Web Services)** servers located in **Frankfurt, Germany**, ensuring GDPR compliance.

- **Video Privacy:** If "Video Manager" is used, the stream is end-to-end encrypted. ECOVACS cannot view the live feed.

## 3. User Access and Control

In compliance with Article 4 of the EU Data Act, the user has full access and control:

- **Real-Time Access:** Users can view the robot's position, the status of the OMNI station (e.g., "Washing Mop"), and the live video feed (if enabled) via the **ECOVACS HOME App**.
- **Data Portability:** Users can request a copy of their personal data (account info and usage logs) via the App's security settings.
- **Voice Control:** Users can review and delete voice command history associated with the YIKO assistant.

## 4. Third-Party Access and Interoperability

- **TÜV Rheinland Certification:** The device's hardware and software data security features are often certified by TÜV Rheinland for privacy compliance.
- **Smart Home Integration:**
    - **Alexa / Google Home:** Device status and basic commands are shared with these platforms only if the user voluntarily links their accounts.
- **Manufacturer Access:** ECOVACS support cannot access the camera feed or map data without the user's explicit authorization (e.g., submitting a log for repair).

## 5. Data Erasure and Rights

- **Map Deletion:** Users can delete specific floor plans directly within the App ("Map Management").
- **Factory Reset:** Pressing the Reset button on the robot restores factory settings, deletes Wi-Fi credentials, and clears locally stored temporary maps.
- **Account Deletion:** Users can permanently delete their ECOVACS account via the App. This triggers the erasure of all data on the EU servers associated with that user ID.

---

## Regulatory Contact Information

**EU Representative:** ECOVACS Europe GmbH Holzstrasse 2 40221 Düsseldorf, Germany

**Contact for Data Inquiries:**

- **Privacy Policy:** [ECOVACS Privacy Policy](#)
- **Data Protection Officer:** `privacy@ecovacs.com`