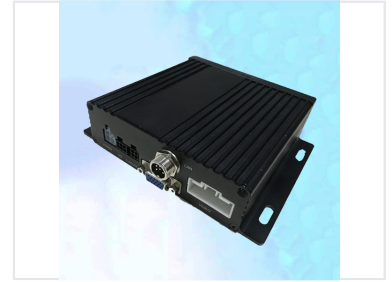


# Trash Truck Monitoring System with AI

This trash truck monitoring system tracks truck locations and operational processes. It uses AI to optimize routes, record fill/discharge events, and provide data for efficient waste management.



## System Overview



Overview of the integrated AI monitoring solution, showing cameras, sensors, and DVR connectivity.

### Intelligent Trash Truck Monitoring System

This advanced monitoring solution is designed to optimize waste management operations by tracking vehicle locations and real-time activities. Integrating AI-driven insights, the system provides automated data logging for container filling and discharge events. It enhances overall fleet safety and operational efficiency through integrated weight sensors and comprehensive driver monitoring technologies.

#### Sensor Network

Weight Sensor • Speed Sensor • Compartment Lift Sensor • RFID Reader

## Operational Features

#### Core Capabilities

Route Optimization, Automatic Filling Records, Waste Classification, Real-time Tracking, Weight Monitoring

## Safety & Driver Management

#### Fleet Safety Components

- Driver Monitoring System (DMS)
- Face ID Authentication
- ADAS Camera
- Blind Spot Detection
- Front View Camera

## Technical Specifications

### Physical Interfaces

- Power Input
- I/O Ports
- G-Mouse
- LAN Connectivity
- Video Input