



Phoenix AI

SMART WASTE AUTOMATIC LITTERING DETECTION WITH AI



ALL IN ONE WITH INTEGRATED CAMERA

- A high definition 1080p camera
- An AI and Deep Learning electronic platform for Intelligent Video Analytics (IVA)
- From 3 to 13 Kgs
- As soon as the battery is placed, the camera starts shooting and detecting
- 24/7 videos and alerts are stored on the camera (from 7 to 30 days storage)
- The appliance is compatible with any existing IP camera
- With solar panel connectors
- With V-mount for batteries
- With oled screen to display ip address, temperature, percentage of charging, etc.

A PROACTIVE ALERTING SYSTEM

To avoid a 24/7 surveillance by operators and focus only on alerts

- Live detection of littering with classification of plastic bags, bottles, carton box, ...
- Region of interest around containers
- Live detection of the gesture and behavior of littering (an alert is sent for each throwing)
- Cloudless and server less AI and Deep Learning
- Real-time detection are available on a cloud infrastructure or through a WIFI hotspot
- Compatible with Milestone XProtect



FOCUS ONLY ON THE BEHAVIOR

A 240x191x107mm super calculator powered with PoE (Power Over Ethernet) via RJ45 and able to power on the camera with a 10 watts consumption. The embedded camera can be oriented via cloud to point at the right angle or subject.

Available with an IP 65 enclosure with active cooling (from -20°C to + 40°C).

The product can be powered on with 220 volts AC or 12 volts DC.

An autonomous version is available with 1 day, 3 days or 7 days batteries.

100% AUTONOMY ON ENERGY AND NETWORK

- The battery allow Smart Waste to be utilized during up to 7 days autonomously.
- A 3G/4G modem is also integrated to allow a cloud connectivity and if not, a WIFI hotspot makes the alerts downloadable via an app.



Identify littering in real-time thanks to alerts !

A 100% STANDALONE APPLIANCE

From 3 to 13 kgs depending on the battery, with builtin storage, camera and processing unit for IVA (Intelligent Video Analytics). The intelligent camera system doesn't need any extra processing features to make the live detection and alerting.

DETECTION RESULTS WITH AUGMENTED REALITY

The results are delivered in real time via alerts, or via images comprising the objects detected and with the possibility of identification of person and / or vehicles

(make, type, color and registration). It is also possible to blur faces and registrations.



IOT + VISION + ARTIFICIAL INTELLIGENCE + DEEP LEARNING

- Smart Waste is available as a renting service (annual fee)
- Smart Waste is available through Phoenix AI partners. Please contact us for a list of partners.



www.phoenix-ai.com