

AI Engine for Hazardous Object Detection

Raptor VISION BATTERY

Reference
Exhibit

Prevents fire risks
before they occur



**Retrofittable
to Existing
Conveyors**

AI×X-ray

**Lithium-ion Battery
Detection Rate**

94% or Higher

*The design and specifications of the device are subject to change.

(Based on in-house demonstration tests, 2025)

PRODUCT FEATURES

Compact Design

Designed for retrofit installation on existing conveyors.

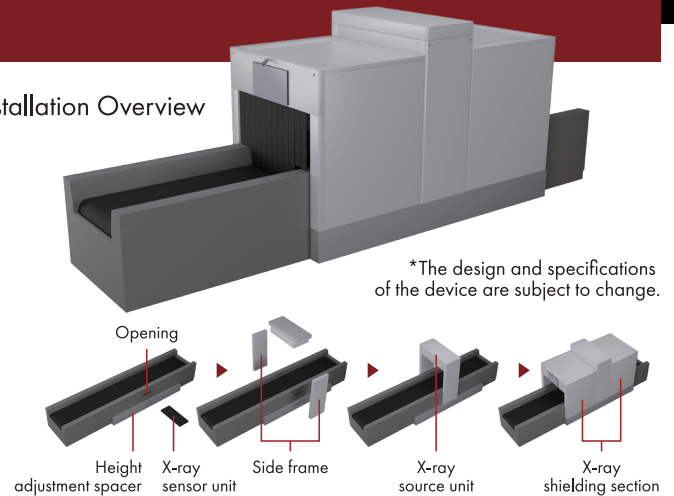
Supported Waste Type

Plastics, mixed waste, C&D waste, E-waste, etc.

Automatic Removal Option

Customizable to suit customer requirements.

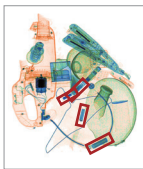
Installation Overview



EXAMPLE DETECTION IMAGES



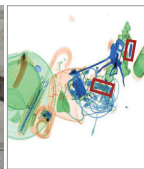
Mixed waste
neck fan, e-cigarette,
2 dry-cell batteries



Mixed waste
e-cigarette, dry-cell battery



Plastic waste
3 smartphones, 3 dry-cell batteries



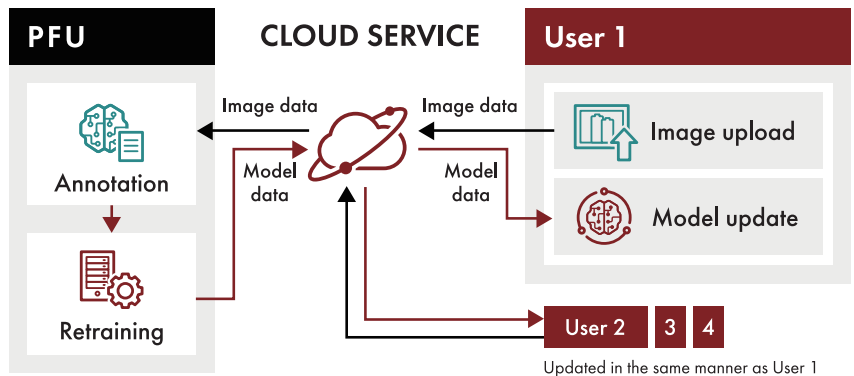
E-waste
handheld fan



AI RETRAINING

Model Update Service

AI engine is continuously updated through our model update service. Products containing lithium-ion batteries are increasing every day. Detection accuracy is continuously improved according to on-site conditions.



Product Specifications

Effective belt conveyor width: up to 1,200mm

Belt strength: up to 250N/mm (10mm thickness)

Belt speed: up to 20m/min

Opening size: 1,200×800mm^{*1}

Enclosure dimensions:
W2,300×D4,000×H2,500mm^{*1}

^{*1} When the effective belt conveyor width is 1,200mm.

Additional Features

Selectable removal methods

Manual: Supported by projection mapping
Automatic: Using pushers, etc.

Detectable Object Types



Prismatic



Pouch



Cylindrical



Dry-cell batteries



Various hazardous materials
^{*To be supported}

