



PixoAnalytics

PIXOLUGGAGE

No tag? No problem.

Prevent delays,
losses, and security
concerns by luggage
re-identification!



lost luggage

customer complaints
and compensation costs



delayed luggage

during re-flights
if the tag
cannot be read

suspicious luggage

security concerns arise
if a luggage is unidentifiable

PixoLuggage

PixoLuggage is an AI-powered computer vision solution designed to help airlines, airports, and logistics providers prevent losses, delays, and misdeliveries of luggage — even when tags are missing or damaged.

Using advanced image recognition and patented surface analysis, PixoLuggage recognizes each bag by its unique digital fingerprint — the combination of its texture and pattern.

This means your team can instantly identify, locate, and verify luggage without relying on barcode or RFID systems.

Benefits

- 1. Fewer lost bags:** Re-identify and match luggage instantly, even without readable tags.
- 2. Cost reduction:** Minimize compensation claims and manual search costs.
- 3. Faster processing:** Automate matching and sorting with minimal human input.
- 4. Improved passenger experience:** Faster resolution of mishandled or delayed baggage.
- 5. Seamless integration:** Works with your existing baggage handling system with minimal setup.
- 6. Reliable under stress:** Effective even on dirty, damaged, or wet luggage surfaces.



PIXOLUGGAGE

The process in detail



REGISTER BAGS AT DROP-OFF

Existing cameras take photo of every bag at the drop-off desk to automatically assign a digital ID with travel tag information.



REAL-TIME TRACKING

Integrated PixoLuggage solution safely tracks the luggage at every step of your airport infrastructure.



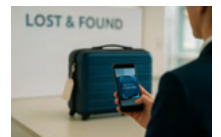
SCAN EASILY WITH A SMARTPHONE

If a tag is damaged or lost and thereby the bag is unidentified, operators can easily scan the surface to retrieve its digital ID.



RETRIEVE DIGITAL ID

Once PixoLuggage detects a match it displays the assigned digital ID so you can deliver the bags on time to their rightful owner. If no digital ID can be found, PixoLuggage identifies it as suspicious for further investigation.



TECHNOLOGY

No tag? No problem.

Each luggage has its **unique and natural surface structure** that we call **fingerprints**. Our technology creates **a code with digital ID** for each fingerprint and compares codes to find a match.

