

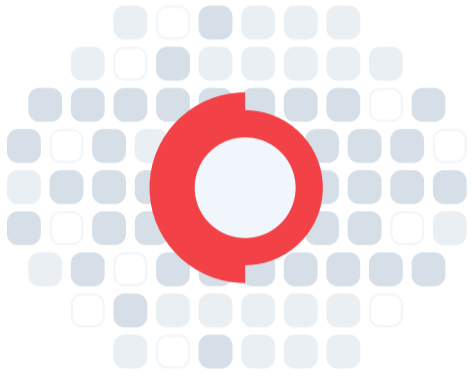


Document Verification for Travel & Aviation

Every Passenger Verified. Every Route Compliant. Zero Delays At The Gate.



Travel is a high-volume, high-stakes identity environment. Fraudulent travel documents, identity tourism, and visa abuse are not edge cases, they are active and industrialised. AI tools now produce photorealistic passports, visas, and border crossing cards that pass basic visual inspection. The manipulation signatures exist in the **DCT frequency domain**, invisible to any platform relying on visual checks alone.



At the same time, the operational demands are unforgiving: peak-season onboarding volumes, multi-country document diversity, and passengers presenting IDs in Arabic, CJK, and Devanagari that generic OCR engines routinely misread, creating false rejects that strand legitimate travellers at boarding.

Shufti's 9-layer forensic pipeline, built entirely in-house, DHS RIVR 2025 validated, handles the volume, the diversity, and the fraud vectors that define travel identity verification.

When Fraud Operates At This Level, Verification Has To Match It



AI-generated travel documents

Synthetic passports and visas now pass basic visual checks. Shufti's DCT frequency analysis catches manipulation signatures invisible to RGB-only platforms. FAR 0.0163, government-validated.

Multi-country document diversity.

Any government-issued document across 250+ countries, passports, visas, border crossing cards, national IDs, without per-country configuration. New document types added on demand. No fixed library gaps.

Non-Latin OCR

Passengers from Arabic, CJK, and Devanagari-script markets are routinely turned away by generic OCR failures. Shufti outperforms Google on Arabic (92.17% vs 90.24%), Vietnamese (96.79% vs 82.36%), and CJK (86.87% vs 82.89%), extracting names, dates, and MRZ data accurately across every market you serve.

Document expiry and validity monitoring

Continuous Verification monitors document expiry across active traveller profiles and triggers automated re-verification, eliminating manual tracking and invalid boarding events.

Peak-load reliability

Travel volumes spike around events, holidays, and seasons. Shufti's in-house stack handles 1M+ daily requests without aggregator bottlenecks. Zero failure-to-capture, every document processed to completion, no timeouts.

Feature Matrix

Module	Core Capability	Travel Strategic Edge
9-Layer Forensic Pipeline	Document liveness, image properties, MRZ/security checks, template integrity, similarity search, copy-move, GenAI detection, DCT frequency, AutoML aggregation	Catches forged passports and visas that pass visual inspection at every check-in touchpoint
MRZ Validation	ICAO 9303-compliant. 1/2/3-line MRZ. Checksum recalculation.	Validates travel document integrity against the document's own security architecture
Global Document Coverage	Any government-issued document, 250+ countries, 150+ languages. New types added on demand.	No coverage gaps across your route network. No per-country configuration required.
Non-Latin OCR	99.7% accuracy. Outperforms Google on Arabic, Vietnamese, and CJK.	Eliminates false rejects on passengers from non-Latin markets
Continuous Verification	Document expiry monitoring and automated re-verification triggers	No manual tracking of expiring travel documents across active passenger profiles
Fraud Memory	Flags document reuse across every submission	Detects identity tourism and repeated fraudulent travel document submissions
Video-Only Mode	Live capture blocks replay, screenshot, and edited proof attacks	Secure step-up for high-risk boarding events and identity re-confirmation
Heatmap Evidence	Pixel-level manipulation visualisation on every rejection	Audit-ready forensic evidence for border authority and airline compliance review

Performance Built For **Travel Scale**

False Rejection Rate (FRR)

0.0151, only **1.51%** of legitimate documents wrongly rejected.

True Acceptance Rate (TAR)

~98.49%, genuine documents pass on first attempt.

Equal Error Rate (EER)

~0.015–0.016, security and user experience optimised simultaneously.

False Transaction Count (FTC)

0, every document processed to completion, no exceptions.

OCR Accuracy

99.7% across **150+** languages on any government-issued document.

PVC Card Detection

Over **95%** accuracy, including Japanese PVC cards, an industry first.

Processing Speed

Under **15 seconds** end-to-end

Certifications

PCI DSS certified.

Deepfake Detection

99% accuracy via RGB and DCT frequency analysis.

Government Validation

DHS RIVR 2025 Top Performer and Gartner recognised.

Deployment

▶ REST API

Submit document images, receive structured results with reason codes. Integrates with existing check-in, boarding, and reservation systems.

▶ Mobile & Web SDKs

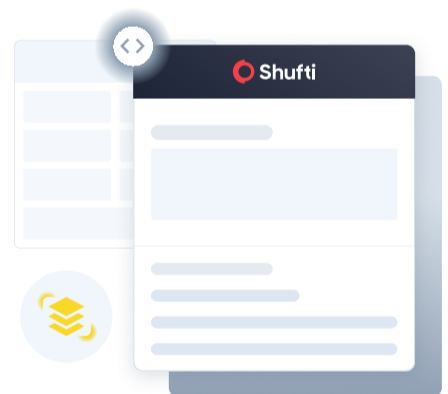
Guided capture with real-time quality prompts for passenger self-service flows. Reduces retries before submission.

▶ Journey Builder

Configure verification flows per route, risk tier, and document type without rebuilding existing systems.



▶ Deployment Options

Cloud, On-Premises, Hybrid. PCI DSS certified.



Ready to **Protect** Your Platform?

See Shufti live against your document types, your route network, and your peak-load requirements. [Request a Blind Spot Audit](#), Test your current stack against AI-generated travel documents and cross-border fraud patterns. See what gets through.

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[Book a Demo](#)