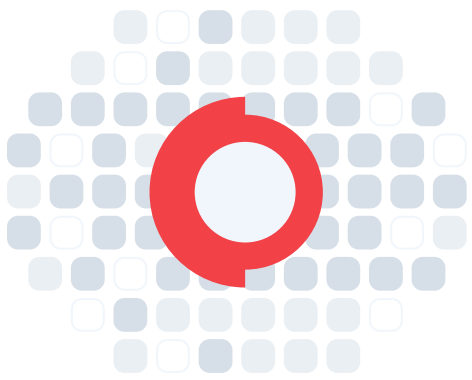


# Document Verification for Crypto & Digital Assets

Low-Friction Onboarding. Zero Tolerance For Synthetic IDs.

Crypto platforms face a **verification paradox**: onboard too slowly and users drop off. Onboard too loosely and synthetic IDs flood in.



AI tools now produce photorealistic passports and national IDs that pass basic visual inspection. RGB-only platforms cannot detect them, the manipulation signatures exist in the DCT frequency domain, invisible to visual analysis alone. FinCEN formally warned financial institutions about **deepfake and GenAI fraud** targeting identity verification workflows in November 2024. Meanwhile, FATF's VASP travel rule, MiCA tiered KYC, and expanding national VASP registration regimes mean the compliance bar is rising simultaneously. A high FAR lets fraud in. A high FRR drives legitimate users to a competitor. Both cost you. Neither is acceptable.

**Shufti's 9-layer forensic pipeline** built entirely in-house, DHS RIVR 2025 validated, gives crypto platforms the forensic depth to stop synthetic fraud and the accuracy to keep legitimate users moving.

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



### AI-generated ID detection at submission

GenAI tools produce synthetic IDs that bypass every RGB-only platform. Shufti's DCT frequency analysis catches the mathematical signatures invisible in the colour spectrum and stopping AI-generated submissions before they enter the compliance queue. FAR 0.0163, DHS RIVR 2025 validated.

### Account farming and deduplication

Fraud rings register multiple accounts across exchanges using the same underlying identity with minor variations. Fraud Memory flags document reuse across every submission. OCR standardises name, DOB, and document number and catching variant accounts that basic deduplication misses.

### Tiered KYC without engineering rebuild.

Low-tier deposits, mid-tier trading, high-tier withdrawals and each requires different verification depth. Journey Builder configures SDD/CDD/EDD flows per risk tier without engineering rework. Image DV for onboarding. Video-Only step-up for high-value withdrawals.

### Global coverage for a global user base

Crypto users don't map neatly to one jurisdiction. Any government-issued document across 250+ countries, 150+ languages, without per-country configuration. OCR outperforms Google on Arabic (92.17% vs 90.24%), Vietnamese (96.79% vs 82.36%), and CJK (86.87% vs 82.89%), the scripts your non-Latin user base actually presents.

# Feature Matrix

Module	Core Capability	Crypto Strategic Edge
<b>9-Layer Forensic Pipeline</b>	Document liveness, image properties, MRZ/security checks, template integrity, similarity search, copy-move, GenAI detection, DCT frequency, AutoML aggregation	Blocks AI-generated IDs before they enter the compliance queue, not after the fraud completes
<b>DCT Frequency Analysis</b>	Catches AI artifacts invisible in the RGB spectrum. 99% deepfake detection accuracy.	Detects ChatGPT/Grok/Gemini-generated IDs that bypass other verification providers
<b>Fraud Memory &amp; Deduplication</b>	Flags document reuse and re-registration patterns across every submission	Detects account farming networks cycling identities across multiple exchange registrations
<b>OCR Deduplication</b>	Name, DOB, document number standardised across all submissions	Catches variant accounts that capitalisation changes and minor field edits hide
<b>Journey Builder — Tiered KYC</b>	Configures SDD/CDD/EDD flows per risk tier without engineering rebuild	Image DV at onboarding. Video-Only at withdrawal. Same API. No rework.
<b>Video-Only Mode</b>	Live capture blocks replay, screenshot, printed copy, and edited proof attacks	Secure step-up for high-value withdrawals and account ownership changes
<b>Global Document Coverage</b>	Any government-issued document, 250+ countries. New types added on demand.	No coverage gaps across your global user base. No per-country configuration required.
<b>Heatmap Evidence</b>	Pixel-level manipulation visualisation on every rejection	Examination-ready forensic evidence for FATF VASP, MiCA, and FinCEN review

## Performance That Holds In Any Market

### 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

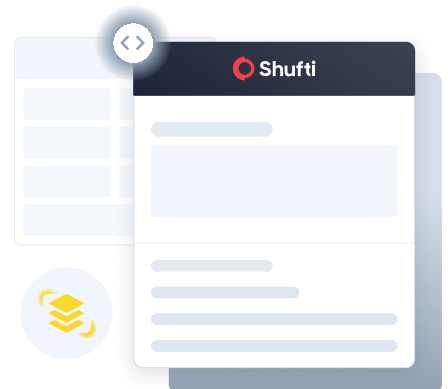
**DHS RIVR 2025** Top Performer and Gartner recognised.

# Regulatory Alignment

Framework	Requirement	How Shufti Delivers
FATF VASP Travel Rule	CDD for VASPs; originator and beneficiary identity verification	Document verification + Document Two for dual-document CDD; full forensic evidence trail
MiCA (EU)	Tiered KYC obligations for crypto-asset service providers	Journey Builder configures SDD/CDD/EDD tiers; examination-ready evidence per submission
FinCEN VASP / BSA	AML/KYC obligations for US-registered VASPs	Structured evidence pack; exportable audit trail; 5-year configurable retention
AMLR (EU) 2024/1624	CDD threshold €10,000; 5-year retention; AMLA supervision 2028	Journey Builder for CDD/EDD; AMLA examination-ready evidence
GDPR — Arts. 5, 6, 9, 28	Processor obligations; biometric data protections; data minimisation	Article 28 processor status; no aggregators; consent capture; on-prem option
CBUAE / Saudi PDPL	KYC obligations for licensed crypto operators in GCC	Emirates ID and Iqama supported; cloud and on-prem within UAE

## Deployment

- ▶ **REST API**  
Submit documents, select checks, receive structured results with reason codes. Operational in days.
- ▶ **Mobile & Web SDKs**  
Guided capture with real-time quality prompts. Reduces retries before submission.
- ▶ **Journey Builder**  
Configure SDD/CDD/EDD flows per risk tier and jurisdiction without engineering rebuild.
- ▶ **Deployment Options**  
Cloud, On-Premises, Hybrid. PCI DSS certified.



## Ready to Protect Your Platform?

See Shufti live against your document types, your risk tiers, and your VASP compliance requirements. [Request a Blind Spot Audit](#), Test your current stack against GenAI-generated IDs and account farming patterns. See exactly what gets through.

[www.shufti.com](https://www.shufti.com)  
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[Book a Demo](#)