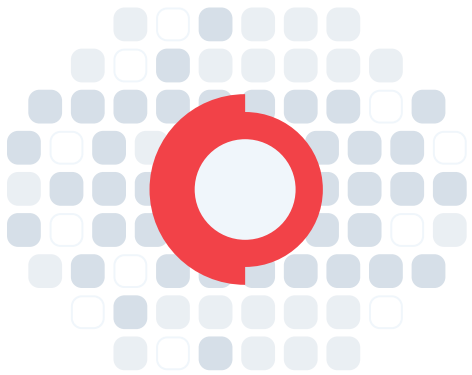




Document Verification for Telecommunications

SIM Fraud Starts At Onboarding. Stop It There.

Telecom operators are on the front line of identity fraud , and most don't know it until after the damage is done. SIM swap attacks begin with a **fraudulent identity document**.



SIM farming rings register hundreds of numbers using AI-generated IDs. Port-out fraud exploits weak verification at the point of transfer. And across MEA, LATAM, and APAC, national SIM registration mandates now require government-issued ID verification at every activation , with regulatory penalties for non-compliance.

RGB-only platforms **cannot detect AI-generated documents**. Manipulation signatures exist in the DCT frequency domain, invisible to visual analysis. Generic OCR tools misread Arabic, CJK, and non-Latin scripts , creating false rejects that turn away legitimate subscribers at the point of sale.

Shufti's 9-layer forensic pipeline , built entirely in-house, DHS RIVR 2025 validated, was built for the document diversity, the fraud vectors, and the regulatory obligations that define telecom identity verification.

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



SIM swap defence

SIM swap attacks begin with a fraudulent identity document submitted to port a number.

SIM farming detection

Fraud rings register hundreds of SIM cards using AI-generated and reused documents. Fraud Memory flags document reuse across every submission. GenAI detection blocks synthetic IDs before they activate.

National SIM registration compliance

MEA, LATAM, and APAC markets mandate government-issued ID verification at every SIM activation. Shufti covers any government-issued document across 250+ countries , without per-country configuration, without fixed library gaps.

Non-Latin OCR at retail scale

Arabic, CJK, Hindi, and Burmese subscribers are routinely turned away by generic OCR failures.

Port-out fraud prevention

Port-out fraud exploits weak identity verification at the point of transfer. Shufti's forensic pipeline validates document authenticity and cross-references against Fraud Memory before any port-out proceeds.

Feature Matrix

Module	Core Capability	Telecommunications 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	Blocks AI-generated SIM registration documents before they activate
Video-Only Mode	Live capture blocks replay, screenshot, printed copy, and edited proof attacks	Shuts down SIM swap attacks at the capture layer, not after the fact
Fraud Memory	Flags document reuse across every submission	Detects SIM farming rings cycling the same identity across multiple activations
Non-Latin OCR	99.7% accuracy. Outperforms Google on Arabic, Burmese, CJK.	No OCR failures at retail POS across MEA, APAC, and LATAM subscriber bases
Global Document Coverage	Any government-issued document, 250+ countries. New types added on demand.	One integration covering every market and every SIM registration mandate
Continuous Verification	Document expiry monitoring and automated re-verification triggers	Flags expired IDs across active subscriber base without manual review
Heatmap Evidence	Pixel-level manipulation visualisation on every rejection	Audit-ready forensic evidence for regulatory examination across all markets

Performance Built For Telecom 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

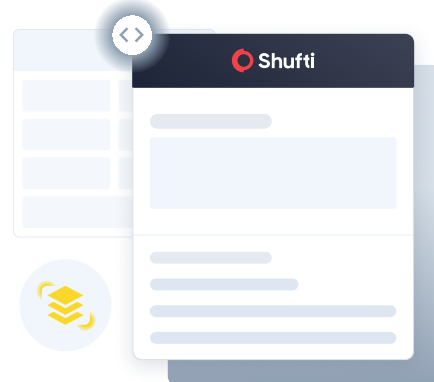
DHS RIVR 2025 Top Performer and Gartner recognised.

Regulatory Alignment

Framework	Requirement	How Shufti Delivers
UAE / MEA	CBUAE KYC mandates; SIM registration requirements	Emirates ID, Iqama, and 245+ country coverage; audit-ready records
LATAM	BACEN, COAF, CNBV SIM registration obligations	Brazilian, Mexican, Colombian document support; Journey Builder per country
EU	GDPR data processor obligations; eIDAS 2.0 readiness	Article 28 processor status; no aggregator routing; on-prem option
North America	CCPA/CPRA; FCC SIM swap protection compliance	In-house processing; consent capture; configurable retention



Deployment

- ▶ **REST API**
Single integration across retail POS, dealer apps, and self-service portals.
- ▶ **Mobile & Web SDKs**
Guided capture for subscriber self-service and retail agent flows.
- ▶ **Journey Builder**
Configure verification flows per market, risk tier, and event type without engineering rebuild.
- ▶ **Deployment Options**
Cloud, On-Premises, Hybrid. PCI DSS certified.



Ready to **Protect** Your Network?

See Shufti live against your document types, your market footprint, and your SIM registration requirements. [Request a Blind Spot Audit](#), Test your current stack against AI-generated SIM registration documents and SIM farming patterns. See what gets through.

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[Book a Demo](#)