Contactless Payments Fraud Detection

Provide superior defense against fraudulent in-app transactions for a best-in-class experience for trusted users.

With touch-free technology, users are able to use their mobile phones for payments, creating new opportunities and security challenges for retailers and payment providers.

Private Mobile Identity
Built on Incognia's privacy-first location behavioral biometrics.

Dynamic security
Enables real-time authentication for trusted users and precise risk-scoring to detect fraudsters.

Continuous verification
Continuously scans for attempts to log in using stolen credentials and detects SIM swap fraud.

Passwordless authentication
Works in the background and requires no additional action or information from users

User privacy first
GDPR compliant, privacy-first design requires no additional capture or storage of user personally identifiable information (PII).

Mobile transactions are growing rapidly. The global mobile payments market is projected to reach 4.7 trillion by 2025. Driven by the pandemic, mobile adoption boomed in 2020, advancing 2 to 3 years in 12 months and mobile transactions soared by 250%. The total value of mobile payments was over $503 billion and by 2021, mobile users are expected to top 7 billion worldwide.

Contactless payments are seeing a surge in usage due to health concerns associated with COVID-19. According to the New York Times, **overall usage of contactless payments in the US has grown 150%** since March 2019 and there has been a 30% increase in the use of contactless payments since the outbreak of the pandemic in the US.

The use of **QR Codes for contactless payments** brings a low cost solution for merchants to accept contactless payments via their mobile apps. However, QR code enabled payments are vulnerable to new and existing threats including account takeover attacks using stolen and fake credentials and also new fraud techniques, such as use of fake QR codes.

For mobile apps supporting contactless payments, ensuring **digital account security is critical** for protecting in-store, remote and P2P contactless transactions from attempted fraud and associated fraud losses and reputational damage.

Meet Incognia
Advanced protection against mobile friction and fraud

Incognia's frictionless fraud detection solution for QR code contactless payments uses real-time location behavioral biometrics to prevent fraud and increase conversion, checking for inconsistencies in user's device and location behavior for contactless mobile payments. Incognia works silently in the background, using location signals and motion sensors to build an anonymous location behavioral pattern, unique for each user, that provides a private digital identity for account security, that is dynamic and extremely difficult to mimic or fake. It works like a location fingerprint, that is continually updating but that requires no capture or storage of additional PII. We help prevent fraud by checking users' current location with past behavioral data, delivering a highly-precise risk scoring to enable location behavioral biometrics for different types of mobile payments.

How Incognia technology works

Incognia's location behavioral biometrics works silently in the background, adding no friction to the user, and constantly searches for deviations in user location behavioral patterns. Incognia checks the user's real-time location and historical location behavior fingerprint to deliver a precise risk-score for detecting suspicious transactions .

Understand how Incognia protects QR contactless payments in-store, remote and P2P
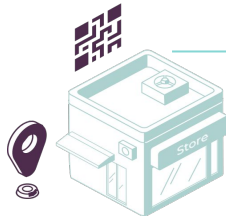
**Protecting QR Code Contactless Payments:**

In-store QR Verification

01 The user logs in to the app and Incognia checks if that is a trusted location for the user and delivers a risk score.

02 The user scans the QR code and Incognia checks if the code is linked to the store location.

03 If the risk score is low the payment is authorized with no further authentication required and the user's transaction goes through with no friction.
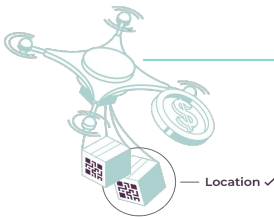
Remote QR Verification

01 The user logs in to the app and Incognia checks if this is a trusted location for the user and delivers a risk score.

02 The user scans the QR code and if the risk score is low the payment is authorized with no added friction for trusted users.
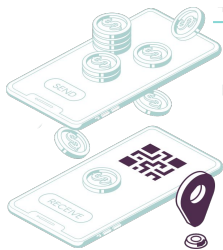
P2P QR Verification

01 Both users log in to the app and Incognia checks if each user is at a trusted location and then delivers a risk score.

02 User 1 scans the QR code of user 2 and Incognia verifies if they are both at the same location, and provides a risk score.

03 If the risk score is low the payment is authorized with no further authentication required and the user's transaction goes through with no friction.

Delivers Fast ROI

Incognia is designed to be easy to implement, and delivers results quickly. Our mobile SDK can be integrated in minutes and our APIs are intuitive, designed for developers. Our customers see rapid return on investment through reduction in fraud losses, manual review costs and conversion increase.

Increase in conversions

Reduction in financial losses and chargeback fees

Reduction in false positives

Increase in customer trust and brand reputation