



The World's Foremost Expert Signature Analysis with an Easy-To-Use API

SignatureXpert.AI is a new generation product that establishes the most rigorous standards for signature verification, providing the highest signature verification accuracy available in the industry. Automatic signature location and verification are executed by a powerful combination of verifiers using multiple fundamentally different algorithms.

The core of the implemented technology is based on the most innovative artificial intelligence (AI) methods and approaches in image analysis and pattern recognition, which allowed it to raise verification rate and accuracy at the level achieved by or higher than the one provided by human operators.

In the case of signatures captured on touch-based devices, SignatureXpert.AI analyzes biometric characteristics of a signature trajectory, including shape, speed, stroke, pen pressure and timing information, and recognizes the differences in legitimate signing style or behavior.

Delivering the Highest Degree of Accuracy

Signature Security

Businesses that rely on signature authentication for check processing, loan origination, ID verification, vote-by-mail or other applications that require signatures know the importance of accuracy when it comes to detecting signature fraud. ParaScript's SignatureXpert.AI provides the highest degree of accuracy for any application that needs to verify signatures, with features including:

- Multiple verification engines
- Multiple reference images
- Universal locator for use worldwide
- Pre-tuned parameters (out-of-the-box)
- Wide document support
- Broad resolution range
- Multiple use cases
- Diverse image formats
- Utilization of trajectory data
- Universal signature verification
- Automated signature location
- Diverse output options

Solutions

- **Check Fraud Prevention:** Ensure you have the correct signatories, reduce check fraud losses
- **Compliance:** Ensure the relevant signatures are present and accounted for. Prove to your compliance teams all work is aligned
- **Security:** Add signature verification with SignatureXpert.AI as part of your authentication layer to protect your clients

SmartProtect™: Patented, Self-Contained Fraud Defense

Traditional signature verification relies on accessing archived data, like a database of signature cards or previously processed checks. Unfortunately, this data isn't always available during ATM deposits, remote capture or high-speed processing.

SmartProtect closes this security gap by embedding the account holder's authentic signature directly onto the check at the time of issuance. Using a secure, invisible encoding format, the check effectively carries its own source of truth.

How It Works:

- **Secure Encoding:** When checks are printed, the authentic signature is converted into a secure, machine-readable code printed directly on the document.
- **Instant Decoding:** Upon check presentation (at a teller, ATM or mobile device), SignatureXpert. AI extracts and decodes the embedded signature.
- **Real-Time Verification:** The software compares the physical signature on the check against the decoded reference in real time, requiring no external database or internet connectivity to stop fraud in its tracks.

