



Parascript® SignatureOnline®

Automate Signature Verification with Accuracy

Validate more
signatures accurately
with award-winning
signature verification
technology that
significantly
outperforms the
competition.

Parascript helps organizations fight check and signature fraud with SignatureOnline®, which verifies and detects signature discrepancies through online applications. By incorporating multiple verifiers and multiple reference signatures, the technology delivers an increased level of security for users

Fraud Detection

SignatureOnline provides signature verification to detect signature fraud in a variety of online applications for workflow automation, document management and electronic transactions in banking, financial, healthcare, retail, government and other sectors. SignatureOnline detects and saves the movement of a pen and recognizes the differences in legitimate signing style or behavior to quickly and reliably detect fraud with a high degree of accuracy.

Automatic Verification of Signature Trajectory

SignatureOnline combines the analysis of spatial characteristics as well as the behavioral biometrics of a handwritten signature. This revolutionary approach was developed using the most comprehensive and advanced technological methods available:

- **Multiple verifiers.** SignatureOnline applies a powerful combination of multiple proprietary verifiers and different fundamental approaches and principles to increase verification accuracy.
- **Multiple Reference Signatures.** SignatureOnline verifies a presented signature against multiple reference signatures to determine random deviations in a person's handwritten signature for enhanced verification quality.

Benefits of SignatureOnline

Improved ROI and Increased Customer Satisfaction. SignatureOnline offers the industry's highest accuracy and reliability with accurate, real-time fraud detection. Parascript helps organizations fight check and signature fraud with SignatureOnline®, which verifies and detects signature discrepancies through online applications. By incorporating multiple verifiers and multiple reference signatures, the technology delivers an increased level of security for users.

Multiple Methods of Verification. SignatureOnline combines multiple proprietary verifiers based on different technological approaches. These verifiers analyze the shape, speed, stroke, pen pressure and timing information received during the act of signing. Each of these verifiers produces its own individual analysis and the final result is based on the combination of these individual analyses to ensure a high verification accuracy.

Analysis of Behavioral Biometrics. SignatureOnline analyzes handwritten signatures and detects random and skilled forgery through behavioral biometrics. This feature ensures that forgery is detected even when the forger has a copy of the authentic signature.

Multiple Reference Signatures. For added protection, SignatureOnline compares signatures being verified against multiple reference signatures, if available. This reduces the number of false positives by taking into consideration random deviations inherent to human handwriting.

Confidence Value. Assigning confidence values provide users with the ability to execute different scenarios of interpreting the results. The confidence value indicates how certain the verification process is about the match between the signature presented for verification and the corresponding reference signature.

Universal Algorithms of Signature Analysis. SignatureOnline helps system integrators accelerate their time-to-market with easy-to-use software. The software is ready-to-use and does not require additional training. SignatureOnline provides language-independent solution and easily integrates into any application that requires an engine for online signature verification.

Technical Product Specifications

Requirements

- **Platforms:** Windows® 7 or 8, Windows® 2012 or 2014 Server
- **Operating System:** Use 64-bit operating systems for high performance and to support more memory
- **Storage:** 1 GB of free disk space

Input

- SignatureOnline supports pen trajectory of a signature
- Any capacity or membrane based tablet or a touchpad with signature capture capability

Output

- Confidence value

License Protection

- Softlock

System Structure

- **Recognition engines:** organized as Dynamic Link Libraries (DLLs), the engines communicate through the Application Programming Interface (API)
- Data files
- Signature Trajectory Editor

Components & File Sizes

- **Dynamic Link Libraries (DLLs):** 288 KB
- **Data Files:** 80.5 KB

Parascript Software Platform

SignatureOnline is one of many solutions within Parascript's product suite. For more information, visit us at www.parascript.com or call us at 888.225.0169.