



VoiceIt

YOU ARE KEY[®]

AN OVERVIEW OF VOICE BIOMETRICS

WHO WE ARE

VoiceIt is comprised of forward-thinking individuals, fostering innovation to remain an industry-leading Voice Biometric security provider.

WHERE WE ARE

Though we have a global network, we are happy to call Minneapolis, MN our home.



Current cybersecurity layers consist of Passwords, PINs, and Security Questions. Time and time again, these methods have proven to be susceptible to malware, phishing, and reused passwords. More importantly, they are all designed from a point of no compromise.

Our Solution

VoiceIt Technologies has been a trailblazer in the voice biometric field since providing the industry's first online voiceprint portal with cloud-hosted services in 2007. Along this journey, **VoiceIt** has integrated its top of the line Voice Biometrics in order to reduce fraud and increase security stability within companies of all sizes.

VoiceIt prides itself on providing a great experience by focusing on individualized customer-facing experiences and unique services. This white paper will explore what **VoiceIt** has to offer and enforce the idea that the **VoiceIt** Voice Biometrics platform, is a critical part of creating a secure and dependable partnership.

Voicelt provides a (**Patented**) cloud-based, pay-as-you-go, face and voice biometrics platform that rapid development and deployment of security solutions. Whatever the integration needs, **Voicelt** removes traditional industry obstacles by providing a secure platform at a reasonable cost.

Centered on privacy and security, all features have been built to ensure the security and stability of the system are safeguarded in any deployment environment. These features include, but are not limited to:

- Voiceprint Phrases
- Zero Retention of Personally Identifiable Information
- Multi-Engine Analysis



How does **Voicelt's** Voice Biometrics work?

The Voice Biometric Verification process is made up of two simple steps:

1. Enrollment - The creation of the voiceprint
 - The capture of 3 recordings of the voiceprint phrase
 - Voiceprints are stored as static representations of audio
2. Identification or Verification
 - Identification (1-to-many)
 - Typically used when metadata (phone number, ID number, etc) may be difficult to obtain
 - Meant to be used with a subsequent Verification
 - Verification (1-to-1)
 - Used to authenticate and verify the identity of an individual

What is Multi-Engine Analysis?

Why verify once when you can verify multiple times simultaneously?

Check, double check, and check it again. That is how **Voicelt** views biometric engines. With each engine having its own strengths and weaknesses, **Voicelt's** unique multi-engine approach provides an unparalleled experience of both usability and security. To ensure maximum performance, all biometric engines are developed and updated by an in-house team of engineers and researchers.



What kind of accuracy is expected?

When making a decision regarding Voice Biometrics, there are two main statistics to be aware of: **False Acceptance Rate (FAR)** and **False Rejection Rate (FRR)**.

False Acceptance Rate (FAR) is the measure of the likelihood that the biometric security system will incorrectly **accept** an access attempt by an unauthorized user.

False Rejection Rate (FRR) is the measure of the likelihood that the biometric security system will incorrectly **reject** an access attempt by an authorized user.

Voicelt is proud to provide customers with a **FAR of 0.0001%** complemented by a **FRR of 3% - 10%**.

What is Personally Identifiable Information?

Personally Identifiable Information (PII) is any type of information that can be used to identify a user, such as an address, name, or phone number. With privacy built into **Voicelt's** DNA, there is no need to input PII into the system because the system will autogenerate universally unique identifier (UUID) for every user enrolled.



What are Voiceprint Phrases?

Voicelt's Voiceprint Phrases are multi-layered with text-dependent characteristics, thus removing the direct link to the user.

What does this mean?

Consider this. If your face, fingerprint, or iris data are hacked you cannot invalidate the data and your identity is lost forever. Unlike other companies, if **Voicelt's** Voiceprints are compromised, the Voiceprint Phrase can be invalidated by enrolling a new Voiceprint Phrase.

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0101010010011100100101010010011
11001110011100111001110010111010
1010010011110011100110101010100111
0010111010101001001111001110011010

“Never
forget
tomorrow
is a new
day”

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