QuantumCrypt
by Infinity Optics

Phenomenal Face Authentication Accuracy

Unprecedented Privacy: No User Biometric Data Saved Anywhere

Problem

Traditional facial recognition systems store information about a person's unique facial features and where to find them. This is sensitive biometric data that must be protected from loss or misuse.

Compliance with increasing biometric privacy regulations is becoming more challenging and expensive.

Consumers are concerned about privacy and are becoming more reluctant to use facial recognition.

QuantumCrypt Overview

Ultra Safe & Secure: No biometric data is saved anywhere. Ever. QuantumCrypt is inherently user privacy-preserving and regulation compliant.

Highly Accurate: The probability of incorrectly identifying a person's face is less than one in one billion!

What's Saved? Only the location of where unique facial features can be found for is saved, but not what to look for. This Public Code is not sensitive and cannot be reverse-engineered.

Face matching is done using innovative Zero Knowledge Proofs and QuantumCrypt Hashes.

Key Features

- Roaming Biometric Profiles: Safely transfer QuantumCrypt's Public Codes to any device.
- Frictionless Biometric Account Recovery: Simply push a user's Public Code to their new or replacement device. No more insecure and clumsy One-Time Passwords via SMS or Email!
- Biometric Encryption: Encrypt data using keys derived from a user's QuantumCrypt Hash. Then throw the keys away and regenerate them in the future after the user is authenticated by QuantumCrypt.
- Multi-Modality Support: QuantumCrypt works with Face, Fingerprint and Iris biometric modalities.

Key Benefits

- No Biometric Data Stored = Nothing to Steal
- Resolve Customer Privacy Concerns: Easy to integrate into your Biometric Digital Identity and Authentication Platform
- Secure: Naturally resistant to brute force attacks and reverse engineering attacks
- No Special Hardware: Works cross-platform and with any modern camera (1080x720 resolution)

SDK : android iOS Windows