



Blockchain Biometric Spectrum (BBS)

WHITE PAPER

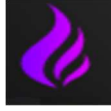
Blockchain Biometric Spectrum (BBS) is a pioneer innovative solution that combines Biometric Technology, Blockchain, and Artificial Intelligence (AI) to enhance security in Decentralized Finance (DeFi), Decentralized Application (dApp), Crypto Wallet, Crypto Exchanges (CEX and DEX), and more. Additionally, our products use AI to enhance knowledge about data science and machine learning technology. Innovative tools and engaging content come together on our platform to foster a thriving community of learners as we unravel mysteries, spark creativity, and explore the unknown. BBS token is the main payment method for customers seeking discounted pricing for our products and services, but we also accept all type of payment methods.

The biometric-based face recognition component of our products employs a private Blockchain platform that incorporates smart contracts. The system is designed to verify user identity using face recognition with the aim of ensuring data security and protecting user privacy. It consist of a client device (CD) in the form of a smart phone or laptop, a Trusted Agent (TA), a Cloud Server (CS), and a Blockchain platform that is equipped with a smart contract. In lab testing, the system achieved an average of 98.52% for Genuine Acceptance Rate (GAR) and 1.48% False Rejection Rate metric (FRR), meaning accurate results in production environments is guaranteed.

While facial recognition and blockchain technology each offers valuable individual benefits, their combination introduces a whole new level of security and control over how you, our customers, safeguard your assets and verify user identities. You can purchase individual services or multiple products as a package. Using our products, our customers will benefit from the following features: Enhanced KYC processes, Secure Access to Crypto Wallets, Secure Decentralized Identity Management, Stronger authentication, Improved User Privacy, Increased user control, and more.

Enhanced KYC Processes

Know Your Customer (KYC) is a process businesses use to verify the identity and legitimacy of a customer before offering them services or conducting transactions. Implementing face recognition to the KYC process helps prevent fraud, money laundering, and other illegal activities. Businesses and individuals can use our services to streamline and secure KYC



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processes. For example, users can submit their facial data for verification against their hashed data on the blockchain, ensuring identity verification while adhering to privacy regulations. After purchasing our service package(s), you can easily build automated KYC and integrate our software with or without any technical skills. We provide ready-to-use templates for KYC onboarding making creating logic to determine what can be automatically approved or denied effortless. You can customize everything in your verification flows, collection methods, user experience, and friction points.

Secure Access to Crypto Wallets

Facial recognition and blockchain can enhance identity verification for sensitive actions. To gain remote account access or authorize high-value financial transactions, users can undergo a two-factor authentication process where their face is scanned and compared to their hashed facial data stored on the blockchain.

Secure Decentralized Identity Management

Combining facial recognition with blockchain technology has the potential to create a more secure and user-controlled ecosystem. While traditional facial recognition systems store facial data as biometric templates in centralized databases, blockchain offers an alternative: users can store hashed versions of their facial data, which are unique mathematical representations that do not reveal the original image. This approach allows businesses to verify users' identities without ever having access to their actual biometric information, significantly enhancing privacy and security.

Stronger Authentication

Facial recognition can be used as a secondary verification factor of multi-factor authentication, adding another layer of security to access control and financial transactions. Even if credentials are compromised, this reduces the risk of unauthorized access since facial features are unique and it's difficult to get access.

Improved Privacy

By leveraging facial recognition, businesses can minimize the dependence on passwords or PINs since they can be forgotten by a user or stolen but facial features can be stolen even if a fraudulent creates a mask or shows a photo to the system. Not only the facial recognition



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technology can be checked but also liveness detection to determine whether a shown face is real or a spoof.

Increased User Control

Facial recognition on the blockchain empowers users to manage their digital identities without relying on centralized authorities. This fosters greater control and autonomy over personal information. Decentralized identity solutions, powered by facial biometric blockchain technology, offer a secure and privacy-focused alternative. Your clients and users can gain unprecedented control over their personal data, fostering trust and empowering a self-sovereign identity.

Facial Recognition API

If you're a developer searching for a cloud-based facial recognition API, Blockchain Biometric Spectrum API is the best choice. To use our facial recognition API, simply sign up for an account. Once you have created your account, you can use your preferred programming language to call the API's methods and provide the required parameters. The API will then process the input and return facial recognition results, which can be seamlessly integrated into your application's functionality.

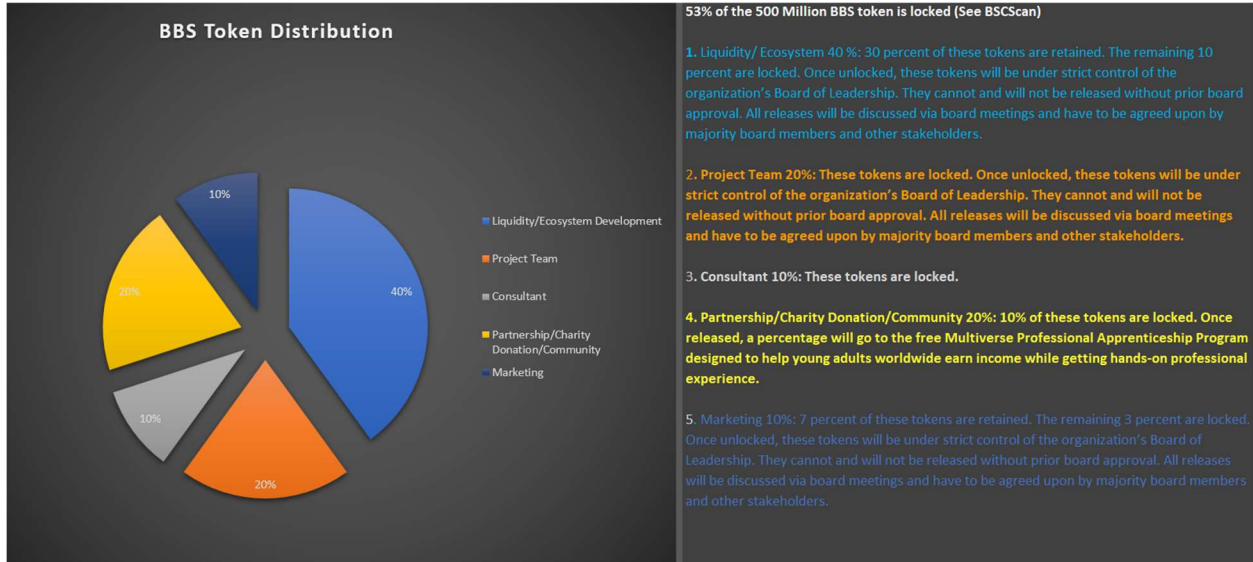
Liveness Verification

We provide liveness detection API to combat fraud and ensure the user is physically present. We achieve this by employing advanced algorithms to analyze video or image inputs, looking for signs of life such as movement, blinking, and facial expressions. This prevents attackers from using photos or videos to impersonate someone else.

TOKENOMIC (next page)



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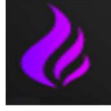


BBS Roadmap



Definition of Important Terminology

1. **Robotic Automation:** It Involves The Use Of Software Robots Or Bots To Automate Repetitive, Rule-Based Tasks.



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2. Machine Learning: A Subset Of AI That Focuses On Developing Algorithms And Models.
3. Cloud Automation: The Process Of Automating Everything Within Cloud Computing Environments.
4. Development & Operations: Set Of Practices That Combine Software Development And IT Operations To Streamline Lifecycle.