The Secure, Frictionless Campus

Next-Generation Biometric Digital Identity for Academic Institutions.

Powered by CyberFace

The Modern University Paradox

The Open Campus

The Secure Stronghold

The Goal: Maintain an open, welcoming environment that encourages collaboration and free movement.

The Reality: Strictly secure students, staff, guest lecturers, and daily suppliers against unauthorized access, ID duplication, and perimeter breaches.

How do we achieve uncompromising security without introducing high-friction bottlenecks?

Eliminating the Day-One Bottleneck

Omni-Channel Onboarding

Path A: Remote Pre-Arrival
(The Primary Engine)

- SMS Link dispatched to student/staff prior to term.
- Mobile facial registration matched against official ID.
- Instant conversion to mathematical vector (no image stored).
- **Result:** User is authenticated before ever stepping onto campus.

Path B: On-Site Self-Service
(The Failsafe)

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  User approaches an automated registration kiosk.
- Rapid, on-the-spot biometric capture and categorization.
- Instant campus access granted based on assigned group protocols.
- **Result:** User is authenticated before ever stepping onto campus.

The Scales of Access: Tailored Security Tiers

1:1 Authentication (Maximum Security)	1:N Authentication (High Throughput)	N:N Bio-Surveillance (Passive Monitoring)
Mechanism: Smart Card / Mobile App + Facial Verification.	**Mechanism**: Biometrics-only access control.	**Mechanism**: Continuous perimeter identification without physical gates.
Campus Use Case: Restricted chemical labs, server rooms, confidential administrative archives.	**Campus Use Case**: Fast, frictionless entry to libraries, gyms, and dining halls.	**Campus Use Case**: Main entryways and wide corridors.

CyberFace operates all three systems from a single, unified architectural platform.

Integrated Biometric Ticketing

Dynamic Barcodes

Integrating standard app-based ticketing with live biometric verification.

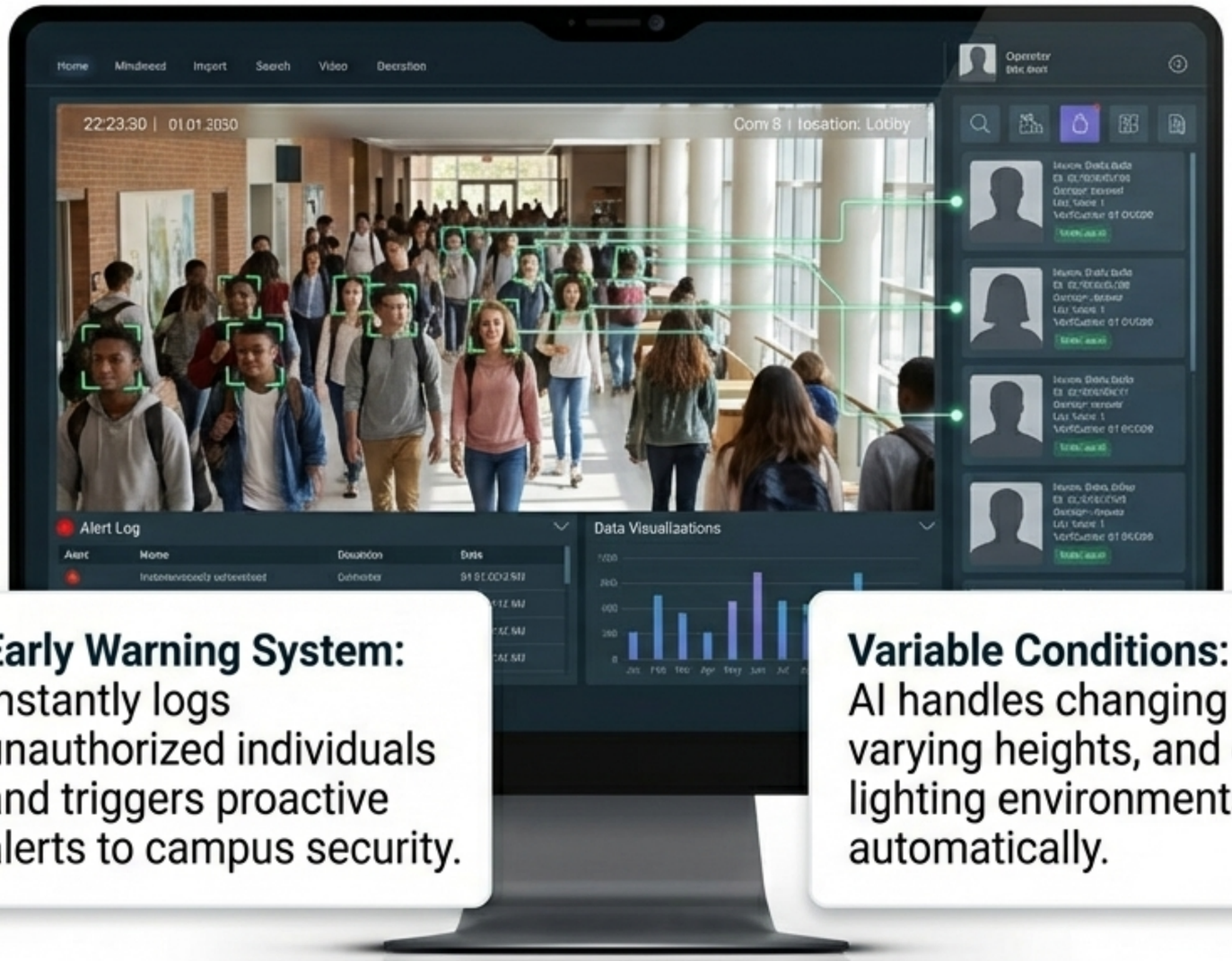
Identity Assurance

Validating exam attendance remotely or on-site to guarantee academic integrity.

Fraud Prevention

Total elimination of subscription duplication, ticket forgery, and unauthorized intruder access during campus events.

Invisible Perimeter Control: N:N Bio-Surveillance

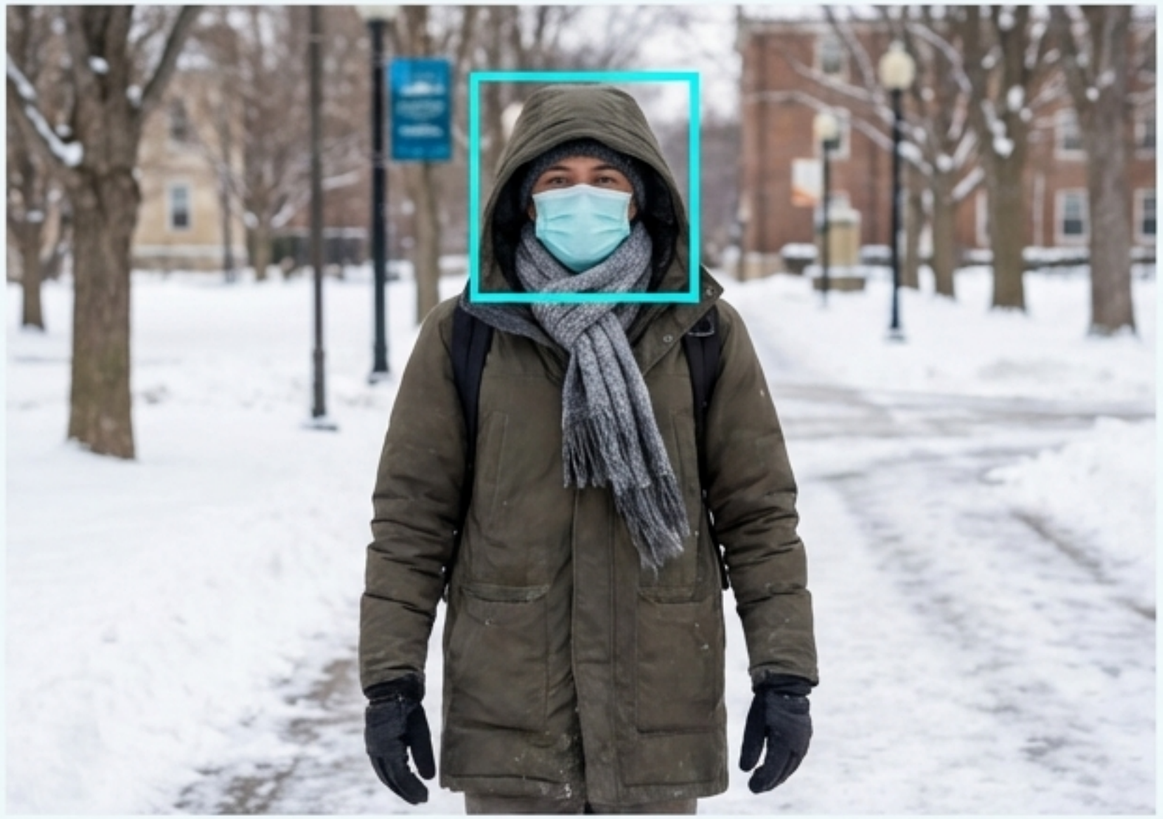


Continuous Flow: Identifies individuals accurately across wide corridor cross-sections without requiring them to stop or interact with a scanner.

Early Warning System: Instantly logs unauthorized individuals and triggers proactive alerts to campus security.

Variable Conditions: Adaptive AI handles changing angles, varying heights, and complex lighting environments automatically.

Uncompromising Environmental Resilience



Obfuscation Bypass: Algorithms designed to overcome hidden features. Maintains accuracy through masks, heavy winter gear, and sunglasses.

Total Darkness IR: Innovative Infrared (I.R.) facial recognition. Cross-matches standard color database images with live I.R. night-vision feeds in complete, 0-lux darkness.

The Multi-Sensor Ecosystem

Facial Recognition: Core biometric identification point.

Person Switching Sensor: Accurately separates and tracks individuals moving closely together in tight groups or crowds.

Skeleton Marking Sensor: Maps body kinematics to maintain tracking continuity even if the face is temporarily turned away from the lens.

Outcome: Flawless tracking, counting, and identification logic.

The Privacy-First Architecture: Zero Image Storage

Capture: Live image scanned at the gate/kiosk.

Conversion: Image instantly processes through the CyberFace proprietary algorithm.

Encryption: The face is translated into a highly encrypted, irreversible mathematical vector.

Deletion: The original photograph is immediately routed to a visual trash can and permanently deleted.

“We authenticate vectors, not identities. There is no image database.”

The Zero Data Leakage Guarantee

Mathematical Obfuscation

Because the system relies entirely on vectors, the stored data contains no visual identifying information.

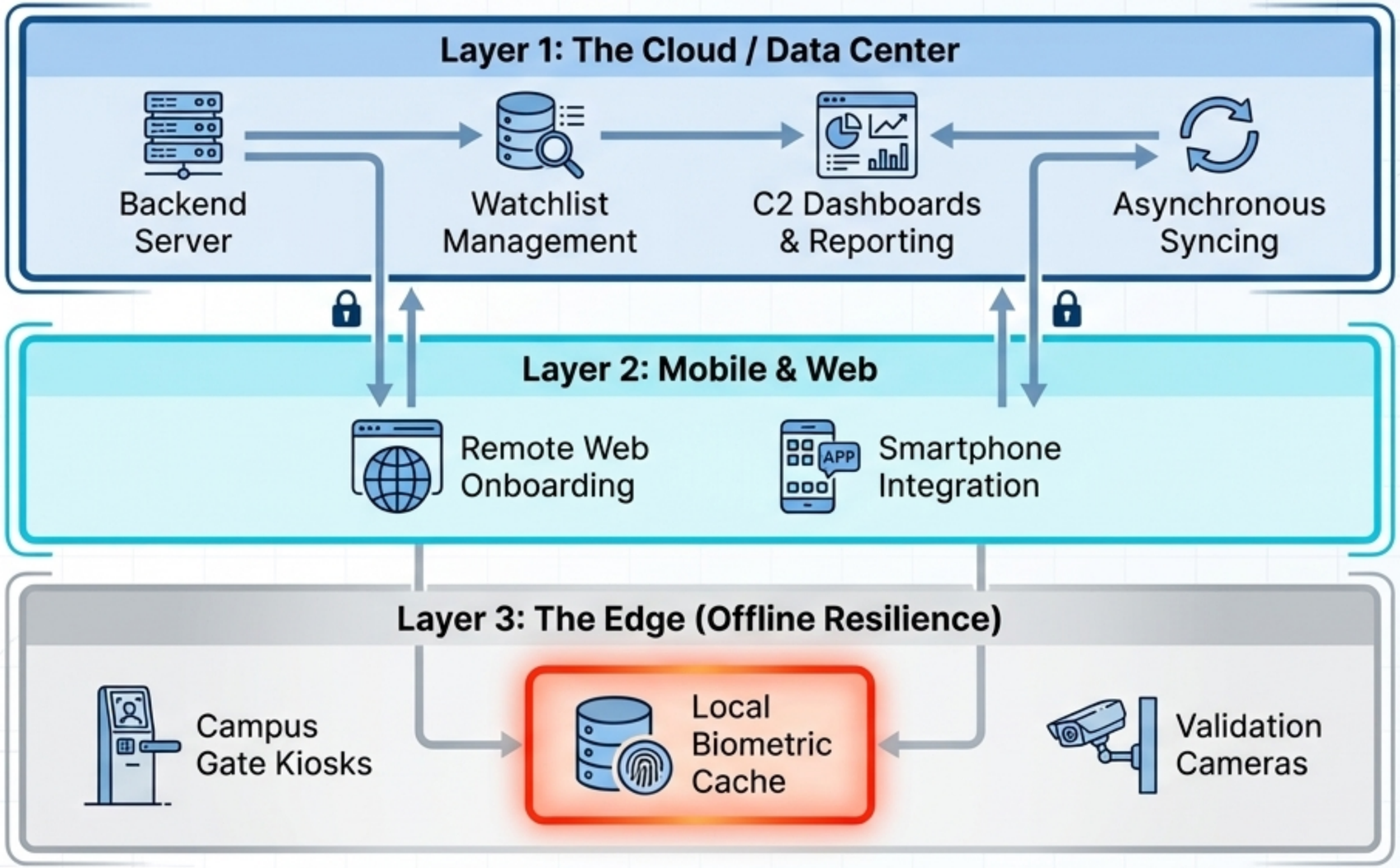
Immune to Theft

Even in the highly unlikely event of a server breach, stolen vectors cannot be reverse-engineered back into student or staff photographs. photographs.

Absolute Sovereignty

All product development is entirely in-house. CyberFace owns proprietary code, ensuring no third-party data skimming or external dependencies.

General System Architecture



Allows continuous, ultra-fast facial recognition and verification even if the campus network goes entirely offline.

Precision Validated by Mathematics

1:1 Access Control	Accuracy rate: 0.0000001 (Level 1:120,000)
1:N Access Control	Accuracy rate: 0.0000041
N:N Bio-Surveillance	Accuracy rate: 0.0000064

What do these numbers mean? They guarantee that authorized students never face false rejections, and unauthorized individuals never achieve false acceptances.

The CyberFace Return on Investment

Safety

Protecting the campus community with proactive, multi-sensor perimeter bio-surveillance.

Security

Eliminating fraud, ID duplication, and physical breaches with uncompromising biometric accuracy.

Efficiency

Eradicating registration bottlenecks and fast-tracking high-volume access to libraries, gyms, and events.

User Authentication

Delivering frictionless, invisible protection powered by a deeply ethical, zero-image privacy framework.

Seamless integration. Absolute privacy. Measurable ROI.