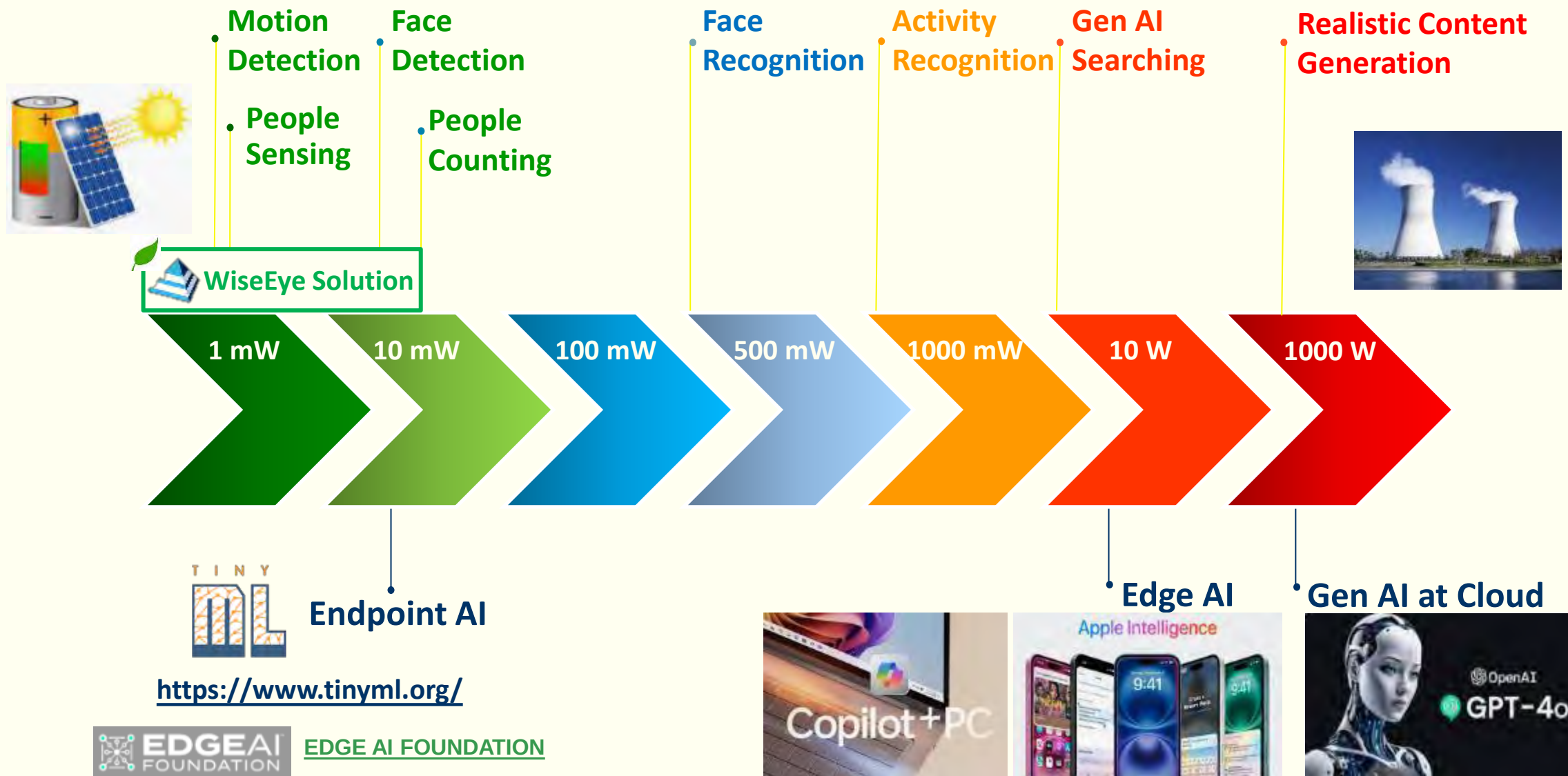




Ultra-low Power AI at the Edge

- TinyML Connecting AI to the Real World

Enhancing UX with Ultra Low Power Context Awareness



WiseGuard: Cutting-Edge Security, AI-Powered Surveillance

AI-Powered Smart Detection



Ultra-Low Power 24/7 Monitoring



Pre-Event Recording



Familiar Face Notification



- WiseEye with the AI Smart Detection with 98% Accuracy to avoid False Detections
- >10m Detection Range to trigger motion alerts

- WiseGuard Technology operates continuously with minimal power consumption—ideal for remote or battery-powered

- Never have a miss event. Automatically records footage seconds before an incident is detected.
- 2MB sRAM enables 5fps pre-rolling for 5 seconds before an event, consuming only 2.6mW of power.

- Seamless 24/7 Monitoring & Recording for Instantly recognize known individuals with facial recognition alerts.

Security CAM Industry Challenges



- **Installation Complexity & Costly Wiring:** Wiring systems can be expensive and difficult to install. Even when wires are run externally, they can compromise a home's aesthetics. Concealing them often adds further complexity and cost. Device placement is often restricted by the availability of power outlets
- **False Alarms & Detection Accuracy:** Motion sensors frequently trigger false alerts due to wind-blown trees, passing vehicles, small animals, or changing light conditions. This can lead to alert fatigue, where users begin ignoring notifications—potentially missing real threats.
- **Privacy & Security Concerns:** Concerns around data ownership, cloud storage practices, and vulnerability to hacking create significant privacy issues. Users may inadvertently compromise personal data.
- **Loss of Functionality During Outages:** Since they rely on a wired power supply, traditional wired cameras cease to function entirely during a home power outage, leaving a significant gap in security coverage

WiseGuard Solution



12.5mm x 17.0mm x
3.45mm(Z)

- **Ultra-Low Power for Battery-Powered Devices:** WiseGuard is engineered with ultra-low power consumption, making it perfect for always-on monitoring in battery-powered cameras. Its efficient design ensures hassle-free installation and cost-effective deployment.
- **AI-Powered Smart Detection with High Accuracy:** WiseGuard leverages an NPU to run neural network-based AI models for person detection, achieving up to 98% accuracy and significantly reducing false alarms.
- **On-Device AI Inference for Privacy and Security:** WiseGuard designed for on-device AI inference, transmitting metadata to protect user privacy. It integrates HW PUF to generate a unique device ID and uses a crypto accelerator to safeguard data, certified PSA Class II.
- **Reliable Functionality After Power Outage:** Due to ultra-low power design, WiseGuard continues to perform seamlessly on battery power, maintaining full functionality even during power outages

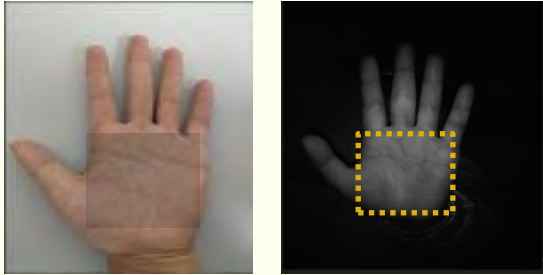
WW 1st 24/7 Human-Aware AI Sensing Smart Door Lock & Doorbell

**Worldwide #1 24/7 Sentry & Cont. Snapshot
AI Door Lock**



Most Versatile Biometric Technology → As Distinctive as Your DNA

A one-of-a-kind, biometric QR code
As distinctive as your DNA



Tell identical twins apart



Height-inclusive



Suitable for all ages

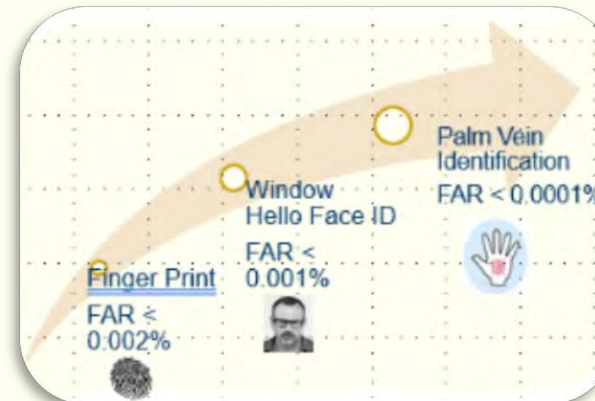


Work with jewelry



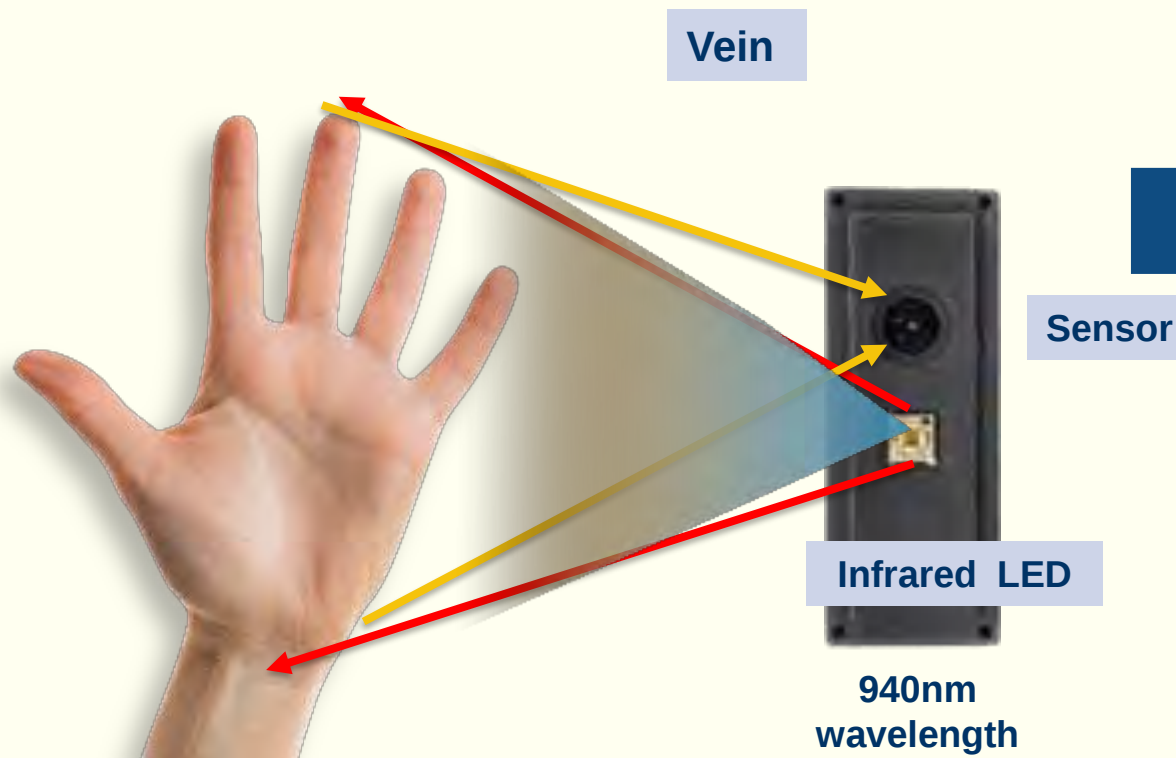
Consistent performance
with different lightings

Highest Biometric
Accuracy

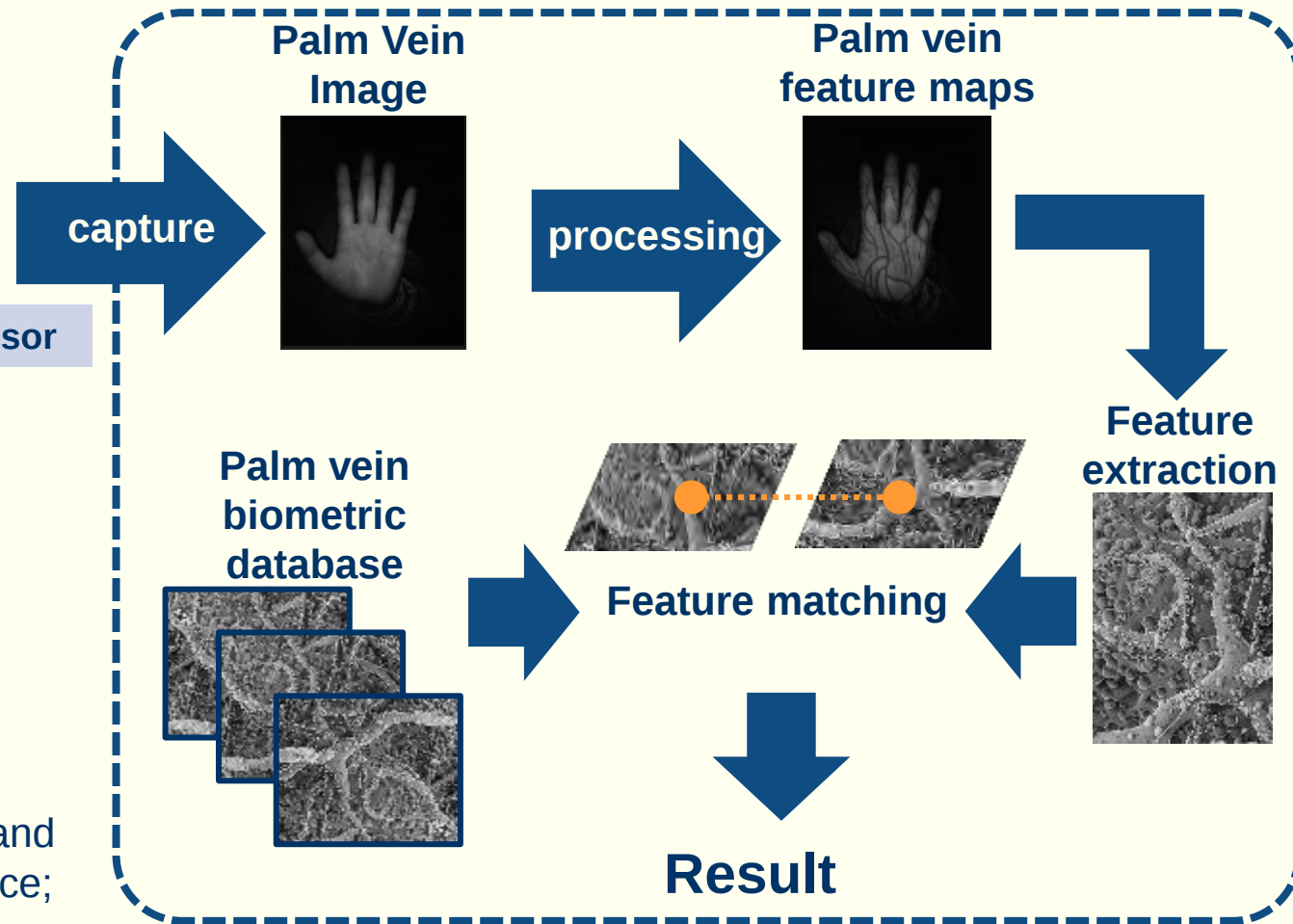


Zero risk of facial
information leakage

Palm Vein Recognition Process



Hemoglobin in venous blood absorbs the red light and illuminates the veins as dark lines on the skin surface; No in-processed hand pictures are saved.



Wide-angle Palm Vein Module Key Features & Specifications

A closer operating range for a more realistic palm vein experience in access control applications

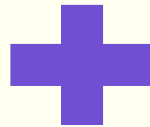


- Powered by WiseEye2 AI processor + HM1092 NIR CMOS image sensor
- Wide-angle VFOV97.6° and HFOV54.2° for more intuitive **7cm-25cm** interaction
- Ultralow Power Efficiency: Fast inference with just **12mW** and module average power consumption **470mW** (Industry No.1)
- Work with **100K lux** light intensity
- Recognition complete within **600ms**
- Enhanced for various skin tones and racial groups
- Unmatched Security:
 - ❖ True Acceptance Rate: >97%
 - ❖ False Acceptance Rate: <10⁻⁶
 - ❖ Liveness Detection Accuracy: >99%

Vein + Face 2-in-1 Authentication



Imagine extreme cold and freezing area → multi-factor Palm + Face supported



- **Palm Vein** 10cm~30cm detection distance + **Face** 40cm~100cm detection distance
- **Unique Biometric:** Palm vein pattern is as distinctive as your DNA
- **Unmatched Accuracy:** With a FAR of 1/1,000,000 and a liveness check more than 99%, our technology offers unparalleled precision. The combination of these two technologies can complement each other.
- **All-Inclusive:** Regardless of age, fingerprint condition, height, or lighting, our system delivers consistent performance.
- **Industry-Leading Efficiency:** Over 9 Months of Battery Life on AAA batteries with fast 100ms boot-up

SESIP Certification + PSA Certification (Double Certification)

SESIP Certificates - TrustCB

- HX6538 (WE2) | PSA Certified

 	
Certificate ID	SESIP-2400090-01
Product	HX6538 Version C
Sponsor (and Developer)	Himax Technologies, Inc. in Tainan City, Taiwan
Standard	GlobalPlatform Technology, Security Evaluation Standard for IoT Platforms (SESIP), GP_FST_070, Public Release v1.2, July 2023 Based on ISO/IEC 15408-1:2009, -2:2009, -3:2009, Common Criteria for Information Technology Security Evaluation (CC) v3.1, rev 5, and ISO/IEC 18045:2009, Common Criteria Evaluation Methodology for Information Security Evaluation (CEM) v3.1, rev 5
ST Reference	Secure Target for HX6538-C (WE-2) Wise Eye2 AI Processor version 2.7
Assurance Package	SESIP2 with Software Attacker Resistance: Isolation of Platform
SESIP Profile	SESIP Profile for PSA Certified Level 2, V1.0 REL 03
Evaluation Facility	SGS Brightsight located in Delft, The Netherlands
Scheme	SESIP As described in TrustCB Scheme Procedures v2.3
Validity	Date of Issue: 2024-10-29 Date of expiry: 2026-10-14
Certification Mark	
Signatory	Wouter Stigters, CEO

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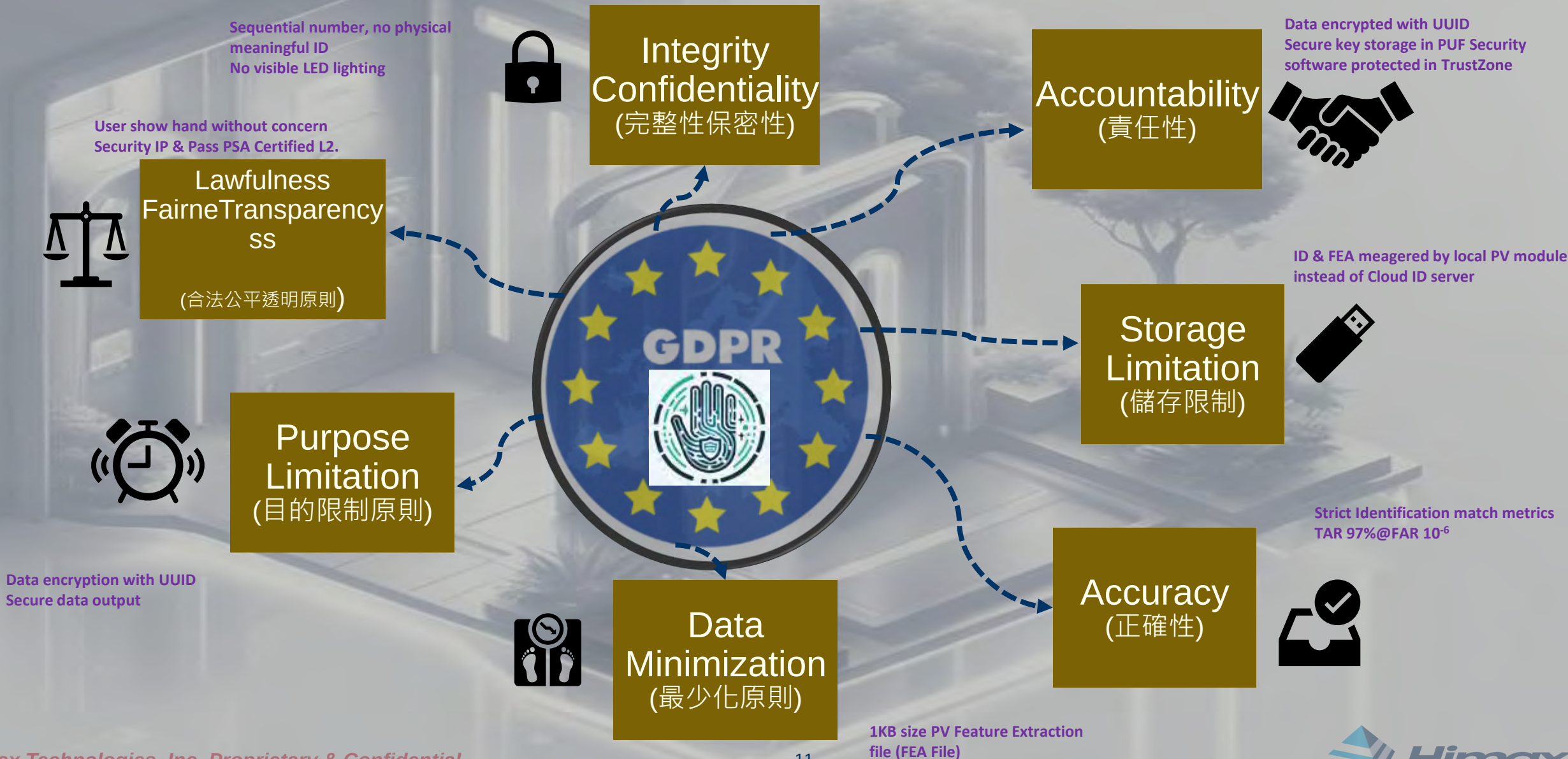
HX6538 (WE2)



Last reviewed by: SGS Brightsight
Certificate Number: 0632793519997-10100



Compliance with Seven General Data Protection Regulation Principles





Drive for better vision