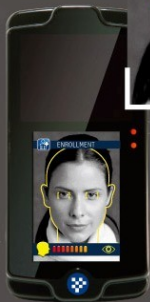
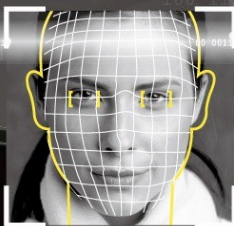


Leading Developer of Advanced **FACIAL RECOGNITION**
& **INTELLIGENT VIDEO TECHNOLOGY**



ACCESS CONTROL
TIME & ATTENDANCE
USER AUTHENTICATION



**“Blending innovative technologies with our daily lives;
Building a secure and convenient environment for you”**

About PSP Security

Established in 2007, PSP is a young and energetic company focusing on facial recognition and intelligent video products development. We deliver innovative and cost-effective biometric security solutions and solid customer service to meet the changing requirements of access control, time & attendance, and user authentication applications.

Cost-effective biometric security solutions and solid customer service

After graduating from UCLA in 1990’s, 2 of the company founders have worked as engineering and marketing executive at leading U.S. technology companies, and the other as a professor and research fellow at a top-tier university. They brought over 50 years of combined experience in developing embedded systems, intelligent video and facial recognition technologies to PSP. In 2009, PSP launched AccuFACE® - the world’s first infrared based embedded facial recognition system. In 2010, the MyLook Card® system was released as the world’s first facial recognition system with facial data-on-card function.

Today, our facial recognition systems are deployed in over 20 countries to prevent “buddy punching”, protect personal identity, and secure assets at airports, border check points, business enterprises, factories, government agencies, schools, and retail stores.

Why Do We Focus on Facial Recognition?

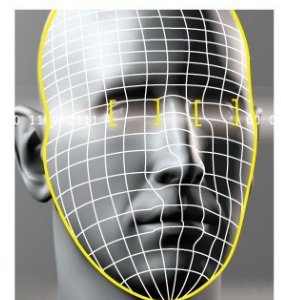
Among all biometric technologies, facial recognition is the most balanced and versatile technology. It is easy to use, accurate, and is able to keep undisputable record of transactions. Hence, we dedicated our resources to develop advanced facial recognition technology and products.

Biometric Technology	Fingerprint	Hand Geometry	Iris	Facial
Privacy intrusion	High	Medium	High	Low
Contactless	No	No	Yes	Yes
Usable by everyone?	No, <95%	No, <95%	No	Yes
Tolerance to environmental variations	Low (e.g. humidity)	High	High	High
Ease of use	Difficult to Use	Relatively Easy to Use	Difficult to Use	Easy to Use
Ability to track intruder	Yes (capture intruder fingerprint)	No	No	Yes (capture intruder picture)
Accuracy	High	Low	Very High	High (>99.99%)

Facial Recognition Technology

PSP’s infrared-based facial recognition technology, IdenFace®, can recognize registered users from live-stream video. IdenFace® is accurate under different light conditions including complete darkness and has these unique features:

- Support motion, face & eye, and object size detection
- Support 1:1 verification and 1:Many identification
- Active learning ability to learn user face over time
- High tolerance to
 - Pose (tilt: +/- 15 deg., roll: +/- 15 deg., yaw: +/- 15 deg.)
 - User with glasses
 - Indoor or outdoor lighting conditions (0 to 8000 Lux)
 - Changes in beard, hairstyle and cosmetic makeup
 - Photo-hacking
- FAR: < 0.001% (user adjustable), FRR: < 0.5%
- SDK available



Facial Recognition Module

EFR-M1 is a credit card size embedded hardware module optimized for intelligent video and facial recognition applications.

- Equipped with the latest DSP-based processor
- Easy integration with security system, IP camera or ATM to provide facial detection and recognition function
- Supports different communication interfaces including RJ-45, Digital I/O, Wiegand I/O, RS-232 and RS-485



AccuFACE® Facial Recognition System

An infrared-based embedded facial recognition system designed for time & attendance, access control, and user authentication applications. AccuFACE® can operate in standalone and network mode under different light conditions.



- Authenticate user in < 1 second with 99.999%+ accuracy
- Support up to 64000 users (300 users in 1:Many mode)
- Active learning ability to learn user face over time
- IP-based, Ethernet and Internet ready
- Interface directly to access controller and card reader using Wiegand, RJ45, RS232, RS485 or digital interface
- Smallest form factor in the world
- Central Management Software, iPhone/Android App, and SDK

To comply with strict personal privacy requirements, MyLook Card® System (AccuFACE Model: EFR-T1M) offers a “facial data-on-card” function in which user facial data is stored on a smart card. Hence, user has control of his card and facial data at all times.

EasyManager Central Management Software

A user-friendly software allowing an administrator to centrally manage users and multiple AccuFACE units, receive real time system info, and backup and synchronize system data.

- Control and manage multiple AccuFACE units connected to a LAN and Internet network
- User and system management functions including
 - Enroll, delete and modify users
 - Synchronize data among multiple AccuFACE units
 - Backup event data and image snapshots
- Provide instant system event alert via
 - On screen notification
 - SMS message alert to administrator
- Create and export event/attendance report for T&A and access control applications
- SQL/Access database

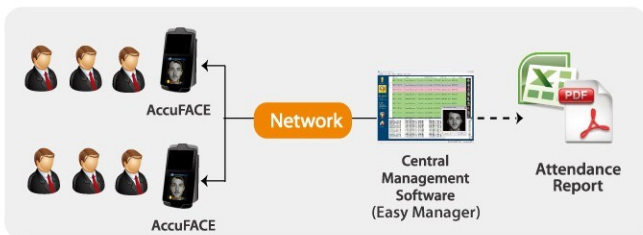


Our Competitive Advantages

- A customer-oriented and R&D focused company that specializes in facial recognition and intelligent video solutions
- We offer market-tested and customer- proven facial recognition system that are reliable, effective, and customizable to fit your changing requirements
- Dedicated engineering team that focuses on new technology/product development and enhancing existing products to maintain our competitive edge
- Knowledgeable and responsive technical support team to assist customer with system implementation and deployment

System Connection & Configurations

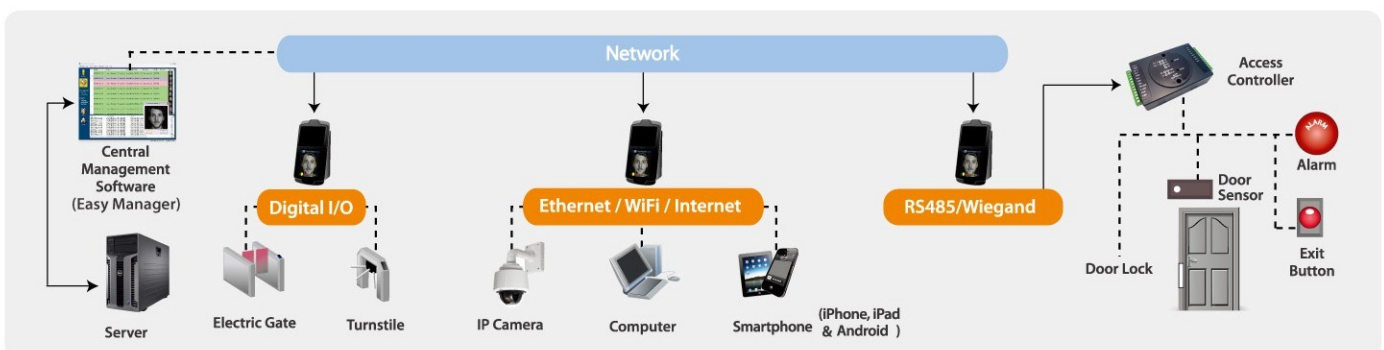
Time & Attendance



Access Control - Standalone Operation



Access Control - Network Operation

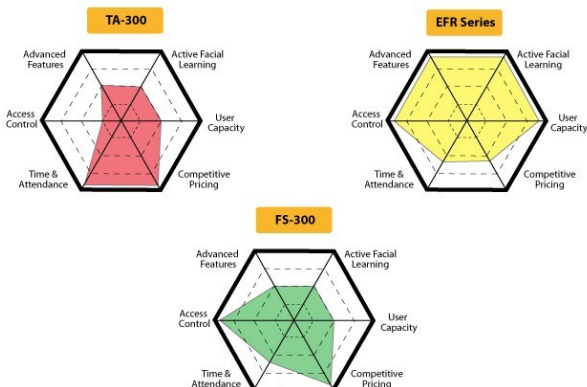


Product Lines Comparison Chart

APPLICATIONS	 Time & Attendance		 Time & Attendance / Access Control / User Authentication			
MODEL	TA-300	FS-300	EFR-T1A	EFR-T1B	EFR-T1C	EFR-T1M (MyLook Card System)
FACIAL RECOGNITION						
1:1 Mode, User Capacity	300 (expandable to 1000)	300 (expandable to 1000)	1000	10,000	64,000	Unlimited
1:N Mode, User Capacity	300	300	300	300	300	—
Verification Speed	< 1 second	< 1 second	< 1 second	< 1 second	< 1 second	< 1 second
Built-in Card Reader	○	○	○	○	○	✓ (external reader) 
Operating Light Condition	0 - 5000 Lux	0 - 5000 Lux	0 - 8000 Lux	0 - 8000 Lux	0 - 8000 Lux	0 - 8000 Lux
SYSTEM OPERATION						
Card/PIN Only	✓	✓	✓	✓	✓	✓
Card/PIN + Photo	✓	✓	✓	✓	✓	✓
Facial Recognition Only (1:N)	✓	✓	✓	✓	✓	—
Card/PIN + Facial Recognition (1:1)	✓	✓	✓	✓	✓	✓
Language Display	Single language	Single language	Multi-languages	Multi-languages	Multi-languages	Multi-languages
User Access Schedule	✓	✓	✓	✓	✓	✓
Progressive Facial Learning	✓	✓	✓	✓	✓	✓
Advanced Event Log Filter	—	—	✓	✓	✓	✓
ENHANCED SYSTEM FUNCTION						
Strong Light Support	—	—	✓	✓	✓	✓
Active Learning Function	—	—	✓	✓	✓	—
Secure Connection (HTTPS)	—	—	○	○	○	○
Customized Wiegand Support	—	—	✓	✓	✓	✓
HARDWARE & INTERFACE						
Ethernet	✓	✓	✓	✓	✓	✓
Door Sensor & Exit Switch	—	✓	✓	✓	✓	✓
Relay #1	—	✓	✓	✓	✓	✓
Relay #2	✓	✓	✓	✓	✓	✓
Wiegand Input	✓	✓	✓	✓	✓	✓
Wiegand Output	—	✓	✓	✓	✓	✓
RS-232 & RS-485	—	—	✓	✓	✓	✓
Tamper Alarm	✓	✓	✓	✓	✓	✓
Built-in Web Server	✓	✓	✓	✓	✓	✓
Remote Controller Support	✓	✓	✓	✓	✓	✓
Dimensions	84(W) x 88(D) x 174(H) mm					
Weight	500g					
Operating Temperature	0 to 50 °C (32 to 122 °F)					
Power	DC 12V / 1.2A					



Legend ✓ Equipped ○ Optional — Not Available



PSP Security Authorized Reseller

