eaglemetric

The World's First Truly IR-based Embedded
Facial Recognition System

AccuFACE®
Embedded IR Facial Recognition

PSP security

What is AccuFACE®?

AccuFACE® is a truly embedded facial recognition system that PSP Security designs for access control, time & attendance, and user authentication applications. Powered by proprietary system design and proven near-infrared (IR) facial recognition technologies, AccuFACE® provides superior accuracy and reliability over other facial recognition systems

Why AccuFACE®?

A truly embedded system
No PC
- Equipped with the most advanced DSP technology, AccuFACE® is an embedded system that requires no external computer to operate
- Minimizes chance of tampering, saves energy and lowers TCO (Total Cost of Ownership)

Near Infrared-based facial recognition technology
99.999% Accuracy
- Reduces interference coming from object background that may affect recognition accuracy
- Provides superior performance and accuracy over color-based facial recognition (authenticate user in < 1 second)

Reliable under different environments and conditions
Day & Night
- Immune to changing light conditions (minimize problem relates to enrollment in light condition A and verification in light condition B)
- Works under dim light condition or complete darkness • Works with users who wear glasses

Internet Protocol (IP) based access control system
IP-Based
- When used with non IP-based card readers, AccuFACE® converts each card reader into an IP-based card reader without additional cost
- Fulfills technology trends such as IP-centric environment, remote monitoring, and distributed intelligence to access control point

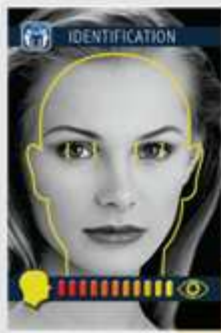### Energy efficient and compact form factor
Green Product
- The smallest form factor among all facial recognition systems • Low power consumption (12Watts in operation, < 5Watts in standby mode)
- Ideal for 24x7 operations and mobile deployment

►► Competitive Advantages

	AccuFACE® Embedded IR Facial Recognition	PC-based IR Facial Recognition	PC-based Color Image Facial Recognition
Accuracy	High	High	Low
Self-sufficient System	YES	No needs PC, Peripherals, and Access Controller	No needs PC, Peripherals, and Access Controller
Ambient Light Influence	Lowest, use of proprietary optical and algorithm design	Low	High easily influenced by light condition
Simplicity of Installation	Simple	Difficult	Difficult
Form Factor	Compact	Bulky	Bulky
Power Consumption	< 12W (authentication) < 5W (standby)	> 250W	> 250W
Stability	High	Low	Low
TCO	Low	High	High

▶▶ Feature Highlights

User friendly and easy to operate

- The LCD on-screen display provides simple and interactive instructions guiding users to position their faces during authentication. No prior user training is necessary
- User can stand 18 in ~ 28 in away from terminal to complete authentication in 1 second or less

Web-based system administration

- User can access to AccuFACE®'s Web-based system administration program from any Web browsers (IE, Apple Safari) to perform system administration and user management
- CGI-based SDK (Software Development Kit) allows seamless integration with other subsystems (e.g. CMS, NVR)

Powerful system event and image log

- AccuFACE® can accurately record up to 50,000 system events and take snapshot if required (imposter alarm capability)
- System event log can be searched and sorted according to time, type, and user identity

Interoperability

- AccuFACE® has built-in relays and sensors for access control installation. Alternatively, it can connect to an external relay/controller box via RS485 interface to enhance system security
- Support Wiegand input and output for interfacing external access control devices such as proximity card reader and keypad

▶▶ Unparalleled Hardware

Invisible Tamper Alarm Sensor

High Sensitivity
Facial Recognition Camera
with Proprietary IR Illuminator

Durable Terminal Block Connectors
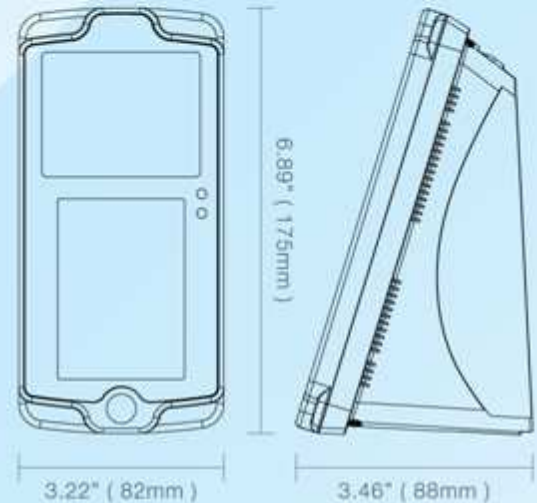
System Status Indicators

Fast Ethernet Interface

3.5" TFT LCD

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Specifications

- Standalone terminal, without the need for PC/Server to process recognition
- < 1 second to authenticate
- Supports 1:N identification mode and 1:1 verification mode
- 3.5" TFT Color LCD
- Capacity: 1000 Users (EFR-T1A), 10000 Users (EFR-T1B)
- Friendly Web-based management interface
- Event log with image snapshots
- High-sensitivity CCD Camera with proprietary IR illuminator
- Wiegand Input/Output, RS-232, RS-485 interface for connection to external devices (Card Reader or Keypad)
- Built-in Relays, Exit Switch, Digital Inputs
- 10/100 Fast Ethernet; Optional IEEE 802.3af compliant PoE (Power over Ethernet)
- Supports operations under Stand-Alone Mode or Network Mode
- CGI-based SDK available for integration with 3rd party systems and equipments
- 12VDC, 1Amp
- FCC, CE, RoHS-standard compliant

6.89" (175mm)

3.22" (82mm) 3.46" (88mm)

About Us

PSP Security is a leading developer of biometric security and intelligent video system and technology. We provide cost-effective solutions to governments, law enforcement, property owners and businesses worldwide to enhance security, reduce identity theft and secure assets and intellectual properties.

PSP security
sales@pspsecurity.com
www.pspsecurity.com

eaglemetric
sales@eaglemetric.com
www.eaglemetric.com

United States
98 Discovery
Irvine CA 92618
U.S.A
Tel: (1) 949-288-3363

Taiwan
4F-416, 19-13 Sanchong Road,
Nangkang Software Park,
Taipei 115,
Taiwan
Tel: (886) 2-26550495

United States
98 Discovery
Irvine CA 92618
U.S.A
Tel: (1) 949-288-3363

Eaglemetric Corp. is a strategic partner of PSP Security.

Hong Kong
Unit 222A, 2/F, Building 9,
5 Science Park West Avenue,
Hong Kong Science Park
Shatin, N.T.,
Hong Kong
Tel: (852) 26074385

FC CE RoHS