

Synel Facial Recognition Terminal SY-Face



The most sophisticated recognition solution - AT A GLANCE!

Synel's facial recognition terminal, SY-Face, is an embedded face recognition system with leading "Dual Sensor" Face Recognition Algorithm, which is applicable for time attendance and access control applications.

The SY-Face is a time and attendance and access control terminal that uses face recognition technology to instantly identify users. The SY-Face provides a touch-free, hygienic alternative to fingerprint and hand readers, while still eliminating "buddy punching" and the need for cards or badges. Users simply look at the device and within seconds they are identified and either clocked in for work or granted secure access.

- ❖ **Accurate**
- ❖ **Dependable - Successfully deployed in challenging real time environments Trackable - The only biometric method where the transaction records can be visually confirmed**
- ❖ **Contactless - Non-intrusive, a non-contact verification process User-friendly**
- ❖ **Reliable performance**
- ❖ **Multi factor authentication**

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Benefits

- ❖ Accurate and fast Identification
- ❖ Contactless authentication for the ultimate in hygienic
- ❖ Conditions Voice prompt
- ❖ The system can work in different light conditions, even in the dark
- ❖ Incident tractable for security with photo captured by a camera

Technology Comparison

RFID recognition	- Can be lost - Less secure - worry about fake access or buddy punching - Extra cost to pay for badge or paper card
Fingerprint or hand recognition	- Contact identification is unhygienic - Less applicable - Less accurate - Less secure - Cannot capture picture for tracking after identification
Iris recognition	- Less user-friendly - people feel nervous during enrollment or authentication - Cost is much higher as iris recognition needs a special camera
Vein recognition	- No contactless authentication - Less applicable - need to look & touch - Cost is much higher as vein recognition needs a special camera
Facial recognition	- Fast identification - More accurate and secure - User-friendly - Contactless authentication - promotes hygiene

Applications

Time & attendance and access control applications for:

- ❖ Airports Customs
- ❖ Hospitals, clinics and health centers
- ❖ Large manufacturing companies
- ❖ High security sites
- ❖ Schools, high schools, universities

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Technical Specifications	
Processor	1 Ghz High Speed Digital Processor
User capacity	4,000 (in 1:N mode)
Record capacity	2,00,000 records
Recognition algorithm	Dual Sensor™ V2.0
Sensor	Specialized double sensor
Verification method	Face, PIN & Face, Card, Card & photo, Card & face
Verification speed	Less than 1 second (1400 users)
keyboard	4*4 touch keypad
LCD	3.5" TFT color screen, 65,000 bright color, 320*240 resolution
Communication method	TCP/IP, USB host
Power	12V DC, working current 500 mA
Environment light	0-5000 Lux
Working distance	30-80 cm
Working temperature	0-40oC
Working humidity	20%-80%
Size	200* 95* 115* mm
Weight	505 gr
Installation method	Wall mounting
Security image capacity	2,00,000
Templates Size	36KB
FAR	<0.001%
FRR	<1%
Lighting	20,000 Lux
Card recognition	Proximity, Mifare (Optional)
Security alarm	Tamper alarm
Output for access control system	Relay Output (Built in Relay)
Certification	CE, FCC class and RoHS
Web Services	Supported

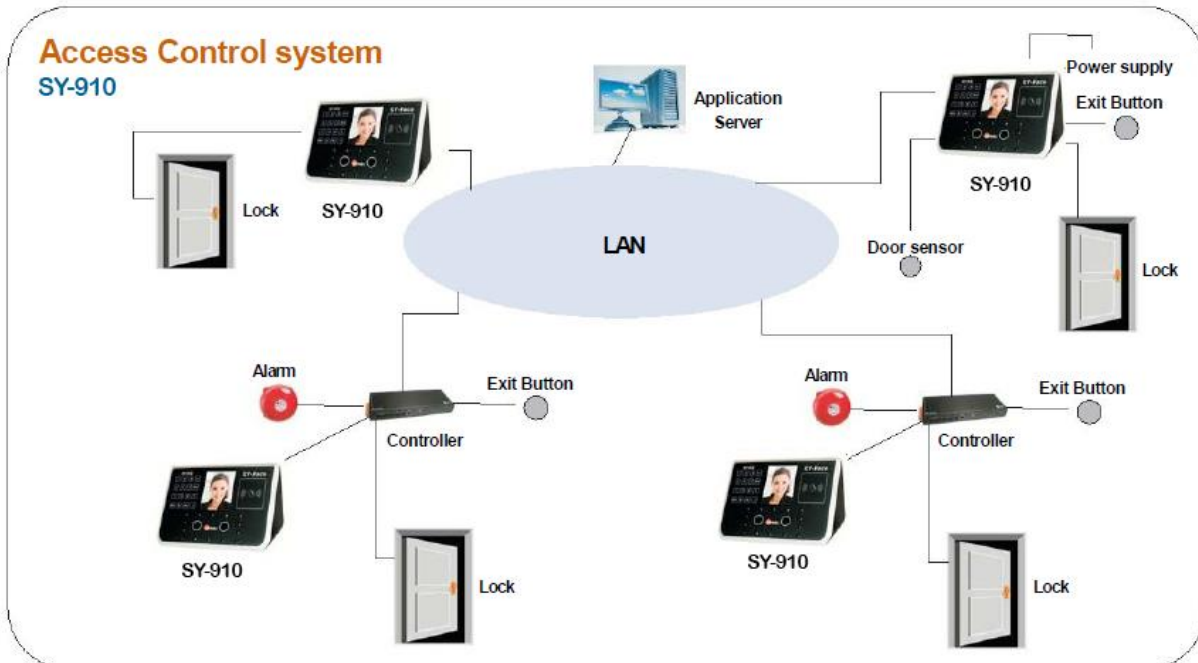
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Access Control system SY-910

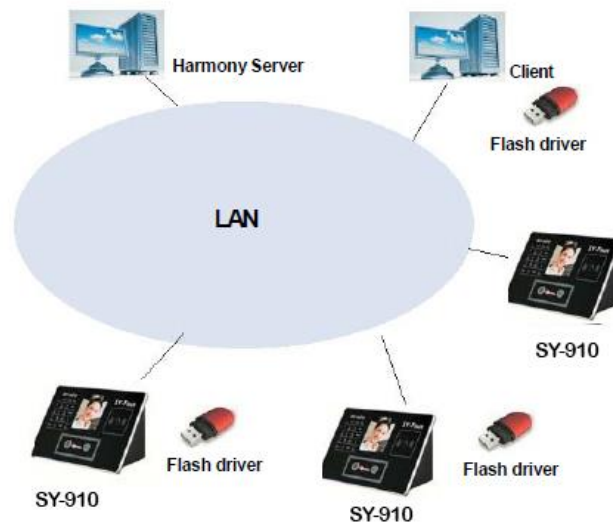


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Stand alone or LAN system SY-910



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