



Synel Facial Recognition Terminal SY-Face



The most sophisticated recognition solution - AT A GLANCE!

Synel's facial recognition terminal SY-Face is a unique terminal equipped with two sensors that uses an advanced algorithm to detect user's facial features. The algorithm is based on face recognition in D2 & D3 technology and the combination allows reliable and more accurate detection. The terminal is applicable for time attendance and access control applications for classified areas. 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 identification
- Hygienic - does not require a human touch
- Ability to operate independently and as part of a system
- User-friendly





Benefits

- Accurate and fast Identification
- Ultimate Contactless authentication in hygienic conditions
- Voice prompt
- Suitable for indoor installation
- Incident trackable for security with photo captured by a camera

Technology Comparison

RFID recognition	<ul style="list-style-type: none"> ● 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	<ul style="list-style-type: none"> ● Contact identification is unhygienic ● Less applicable ● Less accurate ● Less secure ● Cannot capture picture for tracking after identification
Iris recognition	<ul style="list-style-type: none"> ● Less user-friendly - people feel nervous during enrollment or authentication ● Cost is much higher as iris recognition needs a special camera
Vein recognition	<ul style="list-style-type: none"> ● No contactless authentication ● Less applicable - need to look & touch ● Cost is much higher as vein recognition needs a special camera
Facial recognition	<ul style="list-style-type: none"> ● 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





Technical Specifications



	SY-920	SY-940
Processor	TI DM 644 CPU 594 MHz	TI DM 644 CPU 594 MHz
User capacity	500	1200 users
Record capacity	150,000 access control records	150,000 records
Recognition algorithm	Dual Sensor™ V2.0	Dual Sensor™ V2.0
Sensor	Specialized double sensor	Specialized double sensor
Verification method	Face, PIN & face, card,	Face, PIN & face, card,
Verification speed	Less than 1 second (500 users)	Less than 1 second (1200 users)
keyboard	touch keypad	touch keypad
LCD	3.5" TFT color screen, 65,000 bright color, 320*240 resolution	3.5" TFT color screen, 65,000 bright color, 320*240 resolution
Functional keys	No	Yes
Communication	TCP/IP, USB host	TCP/IP, USB host
Power	12V DC, working current 500 mA	12V DC, working current 500 mA
Environment light	0-5000 Lux	0-5000 Lux
Working distance	30-80 cm	30-80 cm
Working temperature	0-40°C	0-40°C
Working humidity	20%-80%	20%-80%
Size	200* 95* 115* mm	230* 105* 134* mm
Weight	505 gr	620 gr
Installation method	Wall mounting	Wall mounting
Security image capacity	4 GB SD card, 70,000 images	4 GB SD card, 70,000 image
Card recognition	EM or Mifare card (optional)	EM or Mifare card (optional)
Security alarm	Tamper alarm	Tamper alarm
Wiegand in & out	Standard Wiegand 26/34 output	Standard Wiegand 26/34 output
Printer connection	No	Yes
Transmitters amount	1	2
Certification	CE, FCC class and RoHS	CE, FCC class and RoHS



