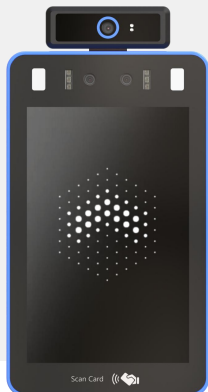


SmartFace New Series



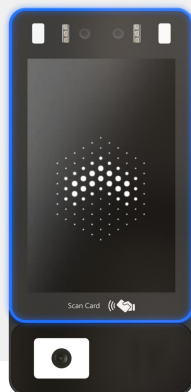
8" Facial Reader



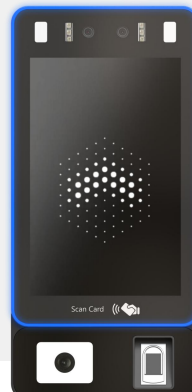
8" Thermal
Facial Reader



8" Facial
Reader+Fingerprint



8" Facial
Reader+QR Code



8" All-in-One Facial
Reader+Fingerprint+QR

8" Facial Recognition Reader

Design Background

Facial recognition is one kind of touchless biometric access technology. Due to its convenience usage, it is suggested to use Facial ONLY like lobby access. For high security application, an additional technology is highly recommended for double authentications. Based on privacy and security concerns, only facial characteristics are stored at the device. This facial reader also designed to support IP65.

Description



Store 20,000 facial characteristic templates.
Facial Recognition speed <0.5s & accuracy ≥ 99.8%.
Can store up to 100K but accuracy will drop to 99%
Facial Recognition distance is 0.3m ~ 1.0m.



Off-line management: management through
Administration card or password.
Setup menu: add/delete/modify facial information.
Support Off-line modification synchronize back to
facial database (via TCP/IP).



- Facial / Facial+Card / Facial+Pin / Card+Facial;
- Card + Pin / Card Only
- Face IN Card (compare live facial characteristic with the template stored inside the user card).



Available with different technologies:

- ♦ 125 KHz (low frequency)
- ♦ Multi-Tech (Read UID of Mifare, Mifare+, DesFire, iCLASS, China CPU, Felica & China ID card)
- ♦ Legic (option)
- ♦ Bluetooth (option)



Support external card reader connection.
Support relay output.



Liveness detection:
Effectively prevent from photos and videos of
non-liveness approach.



Scramble keypad.



Store up to 20,000 off-line events.
Facial picture will be captured and stored during any
failed access.



Indication of Facial Matched and Access status
separately. **



Support light compensation:
White light & IR light compensation.



Support search function (personal information,
off-line events).



Multiple interfaces and compatible with various
controllers --- Wiegand & RS485 (OSDP).

Technologies		Appearance and Functions	
X ₁ X ₂ X ₃	TH = Multi-technologies + 125KHz BMT = Multi-technologies + Bluetooth BL = Bluetooth + LEGIC BTH = Bluetooth + Multi-technologies + 125KHz BH = Bluetooth + 125KHz NA = No reader module	N ₁	F = Facial only L = Facial + Thermal + Fingerprint U = Facial + QR Code V = Facial + Fingerprint W = Facial + Fingerprint + QR Code X = Facial + Thermal Y = Facial + Thermal + QR Code Z = Facial + Thermal + QR Code + Fingerprint
		N ₃	2 = CSN/UID/ID Reading 3 = Sector Reading (Only High Frequency) 4 = Finger template store inside the card 5 = Finger template store inside the reader
		N ₄	9 = Pigtail with both Wiegand & OSDP
		N ₅	A = ReadSense; C = Face++ (Default)

Model	Facial Reader (QRcode/Fingerprint/Thermal as option)
Functions	
Functions:	
Reading Technology	125KHz, ISO14443A and ISO15693
Card Format	Support different card formats
Access Modes	Facial+ Card (Optional QR Code/Fingerprint/Temperature Measurement Function)
Terminal Management	Setup Administration Card / Password
Reader Output	Wiegand & RS485(OSDP)
Hardware Output	Relay output 12Vdc@1A; 2 nd Relay is optional
Communication	Ethernet Port (TCP/IP)
RAM	DDR4 4G
Flash	16GB
Touch Screen	8 "LCD & capacitive touch screen, Resolution: 800 x 1280
Light Compensation	White light for RGB camera / Infra-red wave for IR camera
Recognition Distance	Facial Recognition distance is from 0.5m to 1 m
Camera	Dual camera: IR+RGB
QRcode Compatibility	QR Code / PDF417 / Data Matrix / UPC-A / UPCC-E / EAN-8 / EAN-13 / ISBN / Code 128 / GS1 128 / ISBT 128 / Code 39 / Code 93 / Code 11 / Interleaved 2 of 5 / Industrial 2 of 5 / Matrix 25 / Standard 25 / Coda bar / MSI/MSI PLESSEY / GS1 Data Bar ... etc.
Fingerprint	Suprema module / ISO19794-2 / ANSI-378 / 384 bytes template size / Store 25K templates
Body Temperature Detection	Sensor range ≤ 50cm / ±0.3℃ (indoor) / Range 32℃ to 40℃
Operating Voltage	12 - 15VDC
Operating Current	2A (max)
Operating Temperature	-20℃-55℃
Exterior Dimension	Facial: 235*138*30mm / Facial + Fingerprint or QR Code: 289*138*30mm / Facial +Thermal: 265*138*30mm / Facial + Fingerprint or QR Code + Thermal: 319*138*30mm
Operating Humidity	10% - 90% (non-condensate)