



# SAFR SCAN

Introducing SAFR's Face Recognition Access Control system. SAFR SCAN is an entirely frictionless experience that allows users to naturally walk to the door, and in real-time use your face as your credentials. SAFR SCAN will quickly authenticate you against a database of 20,000 images. It's simple, intuitive, and secure. SAFR Scan easily integrates with any access control solution which ensures a quick and cost-effective installation. Maintain a secure environment while giving users the peace of mind that comes with never having to remember their key card.



Mobile enrollment



OSDP/Wiegand



Tailgating detection

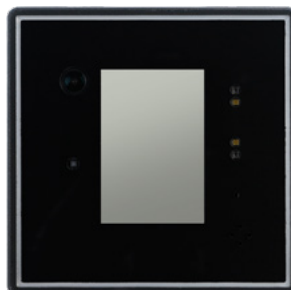


Works outdoors



Anti-spoofing

## SAFR SCAN Overview



Waiting



Alert



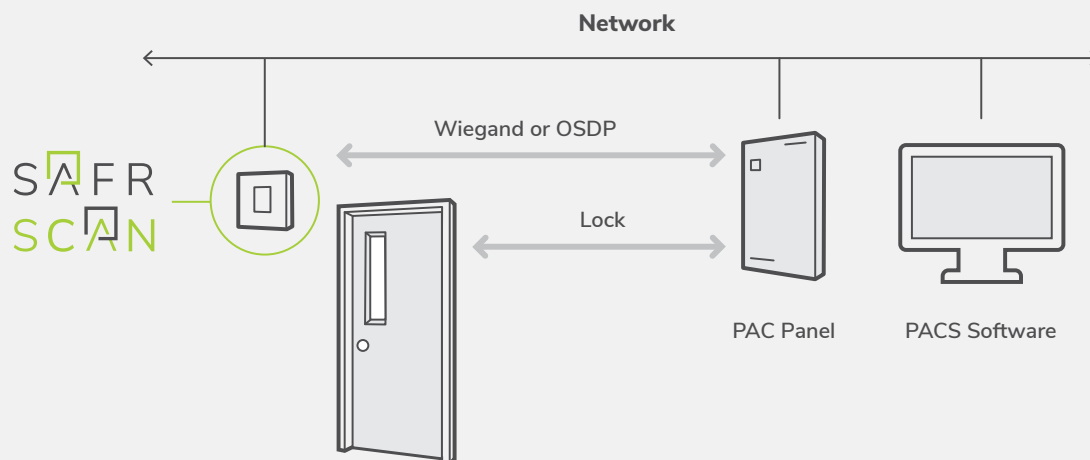
Good to go

# SAFR SCAN Key Features



- ✓ 20,000 user capacity
- ✓ Can withstand extreme conditions
- ✓ With Wiegand and OSDP, works with existing access control system
- ✓ Edge solution for fast and accurate recognition
- ✓ High throughput
- ✓ Easy enrollment options
- ✓ Supports dual or single-factor authentication
- ✓ Touchless access to doors
- ✓ Works in extreme lighting conditions indoor/outdoor
- ✓ Get real-time reporting and auditing
- ✓ Grant/revoke access instantly
- ✓ Audio enabled
- ✓ Reader management configuration software

## Typical Wiring



# SAFR SCAN Specifications

| Biometrics              |                     |
|-------------------------|---------------------|
| <b>FAR (1:1)</b>        | Up to 0.0001%       |
| <b>FAR (1:N)</b>        | Up to 0.0001%       |
| <b>Per Device (1:1)</b> | Up to 20,000 Users  |
| <b>Per Device (1:N)</b> | 20,000 Users        |
| <b>Match Speed</b>      | 3 Images per Second |
| <b>Throughput</b>       | 60 People per Min   |

| General Electrical         |  |
|----------------------------|--|
| <b>Power Over Ethernet</b> | PoE IEEE 802.3af, class 3                      |
| <b>Power</b>               | 12VDC @ 1A                                     |
| <b>Remote Wiring</b>       | PoE, OSDP, Wiegand, TTL, Relay                 |
| <b>Wiring Connections</b>  | OSDP In/Out, Wiegand In/Out, TTL In/Out, Relay |

| Compliance                       |  |
|----------------------------------|--|
| <b>Certifications/Directives</b> | FCC, CE, ROHS                                |
| <b>Electromagnetic Immunity</b>  | CE (pending)                                 |
| <b>Security</b>                  | IEC 62599-1, IEC62599-2                      |
| <b>Safety</b>                    | UL 294, UL 62368-1 Ed. 3 (Outdoor) (Pending) |
| <b>Environmental</b>             | IP65, IK08                                   |
| <b>Electromagnetic Emissions</b> | FCC  |

| Communication                 |  |
|-------------------------------|--|
| <b>Transmission Protocols</b> | IPv4, IPv6, TCP/IP, UDP, DHCP                                    |
| <b>Compression type</b>       | H.264, MJPEG, H.264, H.265                                       |
| <b>Network Encryption</b>     | TLS 1.2 and TLS 1.3 encryption, 802.1x port based authentication |
| <b>Video Outputs</b>          | RTSP   |
| <b>Administrators</b>         | Up to 10   |
| <b>Network</b>                | 10/100MB   |
| <b>Tamper</b>                 | Inertial measurement unit (IMU) Accelerometer                    |

| Audio              |                    |
|--------------------|--------------------|
| <b>Speaker</b>     | 1.2W 86dB IP67     |
| <b>Microphone</b>  | Omnidirectional    |
| <b>Streaming</b>   | 2-way, full duplex |
| <b>Compression</b> | G.711, 8 kHz       |
| <b>Protocol</b>    | SIP                |

| Mechanical                  |   |
|-----------------------------|---|
| <b>Dimensions</b>           | 5.5" x 5.5" x 1.25"                     |
| <b>Display Dimensions</b>   | 3.5" color capacitive touch             |
| <b>Color</b>                | Black                                   |
| <b>Material</b>             | Aluminum, chemically strengthened glass |
| <b>Weight</b>               | 16 ounces                               |
| <b>Light Source</b>         | IR and LED internal                     |
| <b>Operational Distance</b> | 0.3 to 1.2M                             |

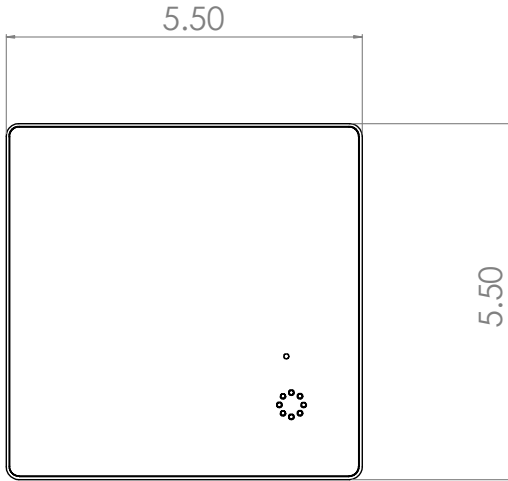
| Access Control Requirements              |   |
|--|---|
| <b>Input/Output</b>                      | 2 programmable I/O, Form C relay  |
| <b>Protocols</b>                         | Wiegand in/out, OSDP in/out   |
| <b>RF technology</b>                     | NFC, ISO 14443, ISO 15693, Mifare, DESfire, EV1, EV2, HID iClass, Elite, SeOS, BLE, UWB, SFR-SC200-RF |
| <b>Card formats</b>                      | 26-bit, 34-Bit, 35-Bit, 37-Bit, Custom up to 254 Bits   |
| <b>Supports unlock through:</b>          | (Face/ID card/Pin/)   |
| <b>Supports authentication with mask</b> | Yes   |
| <b>Recommended Mounting Height</b>       | 46 to 58 inches   |
| <b>Liveness (anti-spoofing)</b>          | RGB, 3D structured light  |
| <b>QR Code</b>                           | 2 dimensional bar codes   |

| Environmental         |                            |
|-----------------------|----------------------------|
| <b>Operating Temp</b> | -20C (-4F) to +50C (+122F) |
| <b>Humidity</b>       | 0% to 90% (non condensing) |
| <b>Storage Temp</b>   | -40C (-40F) to +60C (140F) |

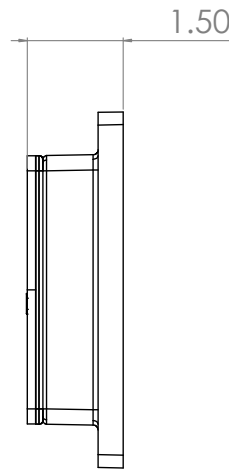
# SAFR SCAN Specifications (continued)

| Part Numbers         |  |
|----------------------|--|
| <b>SFR-SC100</b>     | Facial Recognition Indoor/Outdoor Station, RGBIR Sensor, Face Priority Auto Exposure, 3.5" Capacitive Touch Screen, IR LED, White LED, Wiegand, OSDP, I/O, Audio Full Duplex, PoE/12V DC   |
| <b>SFR-SC200-RF</b>  | Facial Recognition Indoor/Outdoor Station, RFID 26, 34, 35, 37-Bit, Custom up to 254 Bits, RGBIR Sensor, Face Priority Auto Exposure, 3.5" Capacitive Touch Screen, IR LED, White LED, Wiegand, OSDP, I/O, Audio Full Duplex, PoE/12V DC |
| <b>SFR-SCWDG-45</b>  | Wedge, 45 degree mount   |
| <b>SFR-SCFMA-100</b> | Flush Mount Adapter  |

**Front**



**Side**



**Mounting Plate**

