



# 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

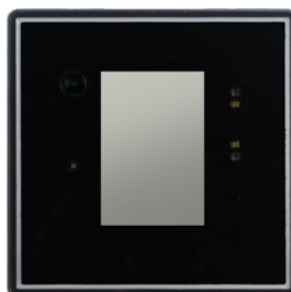


Works outdoors



Anti-spoofing

## SAFR SCAN Overview



Waiting

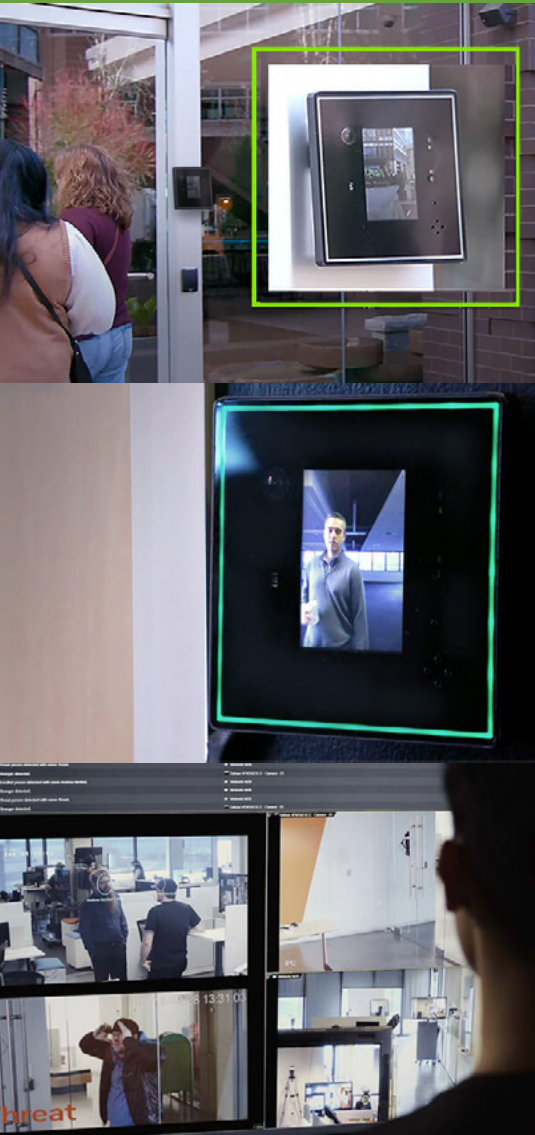


Alert



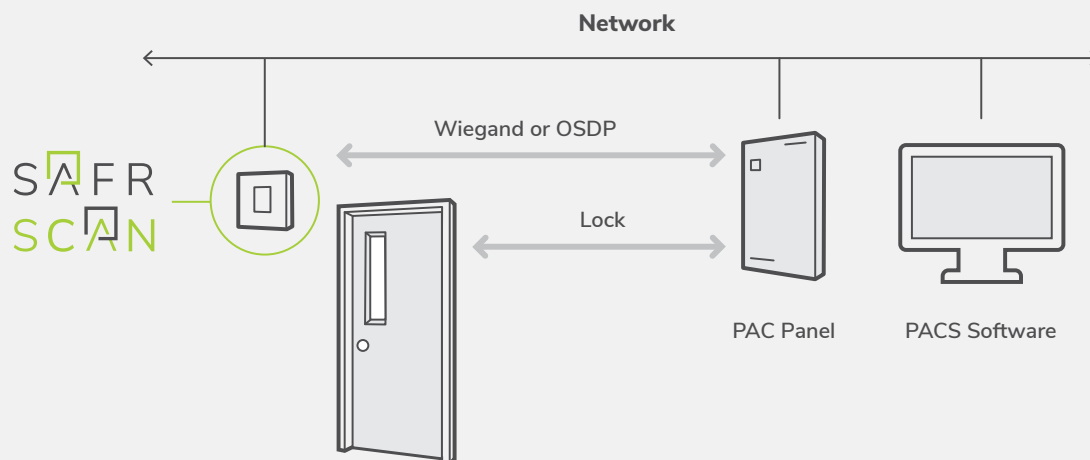
Good to go

# 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>	3x 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 @ 1.5A
<b>Remote Wiring</b>	POE, OSDP, Wiegand, I/O
<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.265
<b>Network Encryption</b>	TLS 1.2 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>	0.2 to 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)

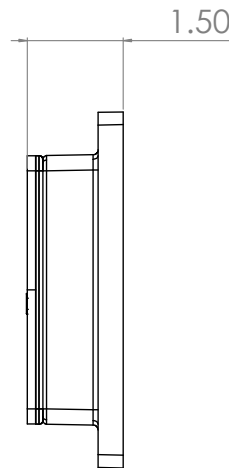
# SAFR SCAN Specifications (continued)

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**

