THE NEW FACE OF ACCESS CONTROL

SAFR SCAN AI Computer Vision Facial Recognition Access Solutions provide a better way to protect people, property, and assets. An extremely accurate, fast and frictionless solution to identify and authenticate individuals, SAFR SCAN devices are built from the ground up to leverage the power of advanced AI computer vision technology – at the edge - to provide actionable intelligence for security events and enterprise level applications in real-time and for forensic investigations.

SAFR SCAN

AI Computer Vision Facial Recognition Access Solutions

Using your face as an access credential, SAFR SCAN eliminates the need for physical credentials, which can easily be lost, stolen, or replicated. Users need only glance at the device for fast authentication. Developed using a proprietary, purpose-built, and trained algorithm for "faces in the wild", SAFR SCAN addresses a variety of physical security, workforce management, and health and safety applications in a single, multi-faceted solution. SAFR SCAN also supports multi-factor authentication using facial recognition alongside cards, pins, QR codes, and mobile credentials.

SAFR SCAN Access Solutions are easy to install and integrated with leading access control platforms for fast and seamless deployment. Designed in the USA with NDAA compliance, SAFR SCAN sets new benchmarks for identity authentication and access control performance and affordability.

The SC100/200 includes a helpful display and edge lights to inform users.

SAFR SCAN Advantages...

- 99.9% accuracy with low bias based on National Institute of Standards and Technology (NIST) testing
- High speed identity authentication of up to 30 individuals per minute
- Authenticating while in motion and in natural behavior / environment
- Indoor and outdoor operation – even in bright sunlight and adverse weather conditions
- Zero-effort, flexible enrollment
- Tailgating and piggybacking detection
- 2 Factor Anti-spoofing technology
- Tangible ROI and lower TCO
- NDAA compliant

SAFR SCAN Works Everywhere You Need It

SAFR SCAN Access Solutions work both indoors and outdoors – even under the most challenging and diverse conditions including bright sunlight and adverse weather. The units' advanced AI computer vision technology also accurately detects and authenticates individuals in motion with anti-spoofing technology to help maintain the highest levels of security when and where you need it most.

The SC50's small form factor makes it a great direct replacement for a badge reader.

✓ Ease of Enrollment

SAFR SCAN offers multiple enrollment options to meet your specific needs:

1. Learn faces during normal operation using existing badges
2. Use your existing database of identities
3. Enroll directly from the SAFR SCAN device
4. Enroll via an enrollment station
5. Enroll using invites directly on users' mobile device

🔒 Personal Privacy

SAFR SCAN Access Solutions maintain the highest levels of personal privacy. Using facial templates and data points for identification rather than storing images of users' faces, SAFR SCAN is compliant with the California Consumer Privacy Act (CCPA) and General Data Protection Regulation (GDPR). All sensitive biometric data is AES 265-bit encrypted and is stored locally on the device, protecting both individuals and the host enterprise's data. SAFR SCAN is also an "opt-in" solution, requiring users to authorize creation of a biometrics template for identity verification.
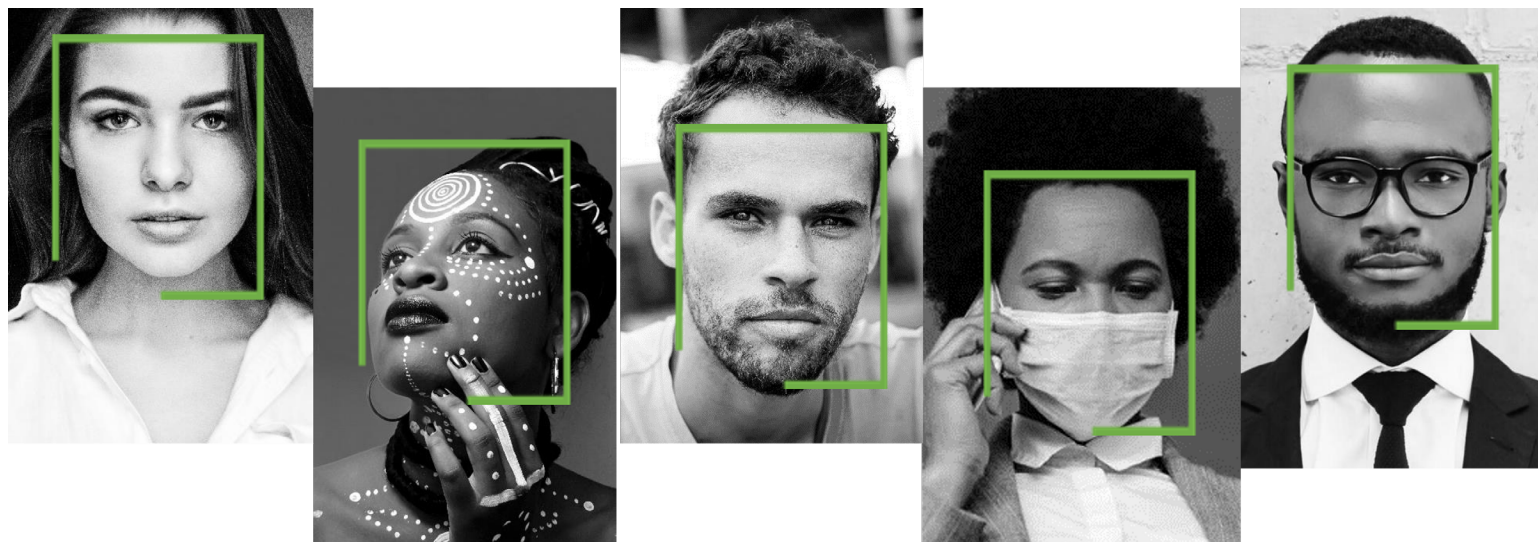
One Device. Multiple Applications.

SAFR SCAN is one single intelligence edge device, that is an access control door station, an intercom, a camera and an optional single door controller. This effectively eliminates the need for multiple devices at access points, including standalone cameras, card readers, and intercoms, dramatically reducing equipment, installation, and maintenance cost over the long run.

🌐 Universal Compatibility

SAFR SCAN solutions are built on an open platform, accommodating integration with many access control platforms. Please contact us for more information.

SAFR is a unified facial recognition ecosystem designed for the enterprise, across access control, cameras, and mobile devices

PRODUCT DESCRIPTIONS

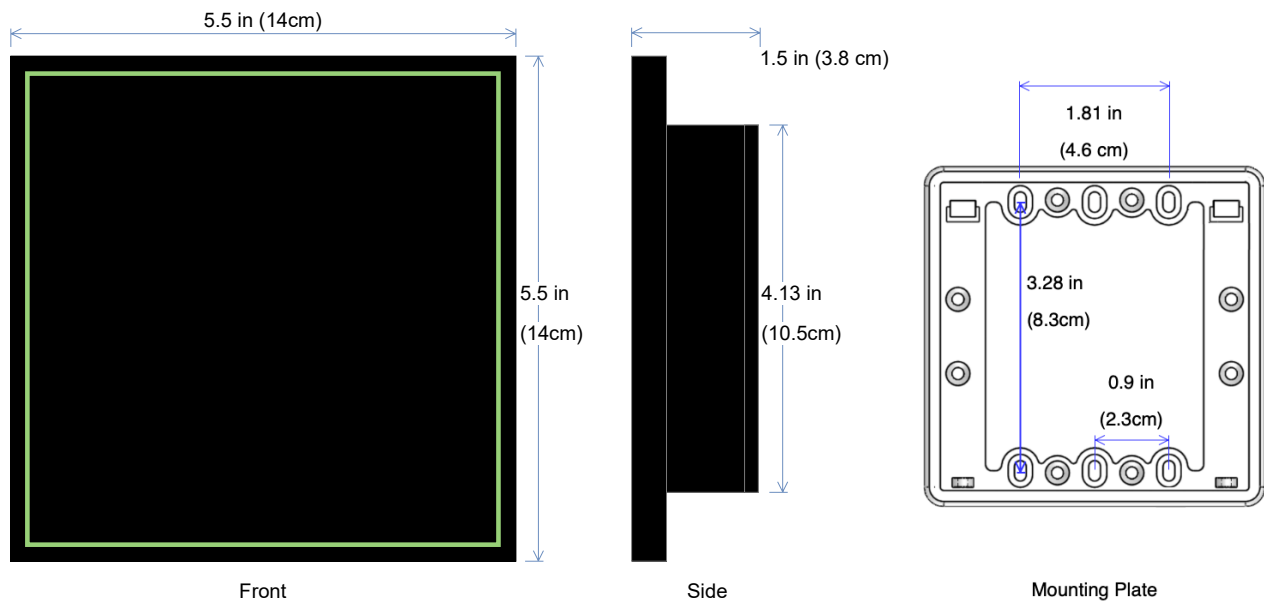|	
SFR-SC50	Face-based, multi-function access control **mullion** device with camera and intercom; Indoor rated
SFR-SC100	Face-based, multi-function access control device with camera and intercom including **video screen** for visual feedback to users. **Indoor and Outdoor rated**
SFR-SC200-RF	Same as SC100, plus **built-in RF Card Reader**

		SC50	SC100	SC200
UNIT ACCESSORIES				
SFR-SCWDG-20	Multi-directional wedge mount (die-cast aluminum), 20 degree angle. For SFR-SC100 and SFR-SC200-RF only. Black.	-	x	x
SFR-SCFMA-100	Flush Mount Adapter, recessed mount. For SFR-SC100 and SFR-SC200-RF only. Black.	-	x	x
SFR-SC10-L	POE Network Connector Box - PoE and network termination on the secured side of the door. Connects to the SC50 ONLY. Required for SC50 PoE and Ethernet. Black.	x	-	-
HOSTING & WARRANTY				
SFR-SCCLOUD-STD	SAFR SCAN Cloud Hosted Service (Standard) - Per Device. Annual Cost. Includes enrollment. Includes event storage up to 30 days (200GB max storage). This is an account level feature must match the number of SCAN units.	x	x	x
SFR-SCCLOUD-PRO	SAFR SCAN Cloud Hosted Service (Professional) - Per Device. Annual Cost. Pro includes: enrollment, biometric indexing/searching, and event storage up to 60 days (400GB max storage). Account level feature must match the number of SCAN units.	x	x	x
SFR-SCEXWAR-2YR	24 Month Extended Warranty - Adds an additional 2 years of warranty to the standard 3 year (36 month) warranty.	x	x	x
SUPPORT & UPDATES				
SFR-SCSUP-2YR	Per SAFR SCAN unit. Adds an additional 2-year term to the standard 1-year of SUP included with the unit purchase. Includes Tier 3 support, firmware, and software updates for the reseller or end user. Virtual Support only (email, web, phone). Reseller must complete online self-paced certification course. Automatically renews annually after initial term.	x	x	x
SFR-SCSUP-4YR	Per SAFR SCAN unit. Adds an additional 4-year term to the standard 1-year of SUP included with the unit purchase. . Includes Tier 3 support, firmware, and software updates for the reseller or end user. Virtual Support only (email, web, phone). Reseller must complete online self-paced certification course. Automatically renews annually after initial term.	x	x	x
SFR-PS-SE-LIVE	One day of Solutions Engineer Live/On-site support (8 hours maximum per day) - Must be used within a year from purchasing *For On-site services, Travel, Meals, and Expenses are NOT included, and are invoiced separately (requires 4 weeks advanced notice).	x	x	x
AISFR-PS-SE-WEB	One day of Solutions Engineer ONLINE support (8 hours maximum per day) - Must be used within a year from purchasing. Time is consumed in 15 minute increments.	x	x	x
SFR-TRAIN-WEB	Online Training. Per student cost. Can be used any time.	x	x	x

	SC50	SC100	SC200
GENERAL ELECTRICAL			
Power Over Ethernet	PoE (IEEE 802.3af, class 3) or 12 VDC @ 1A		
Remote Wiring	PoE, OSDP, Wiegand, TTL, Relay		
Wiring Connections	OSDP In/Out, Wiegand In/Out, TTL In/Out, Relay, REX		
Ethernet	with opt SC10-L	Built-in Ethernet Port	
ENVIRONMENTAL			
Outdoor Use	No	Yes	
IP Rating	IP50	IP65	
Operating Temperature	-40F to +140F (-40C to +60C)		
Cold Start Temperature	-4F (-20C)		
Humidity	0% to 90% (non-condensing)		
Lighting Control	Face Prioritized Auto Exposure (FPAE)		
Minimum Illumination	100 Lux	0 Lux	
MECHANICAL			
Dimensions (inches)	5.25 x 1.70 x 1.16	5.5 x 5.5 x 1.25	
Dimensions (cm)	14 x 4.38 x 2.95	14 x 14 x 3.1	
Display Size (in)	1.3"	3.5"	
Display Type	Color Capacitive Touch		
Weight	8 ounces (225 g)	16 ounces (450 g)	
Color	Black		
Material	Aluminum, chemically strengthened glass		
Impact Rating	IK08		
Light Source	IR and LED Ring	IR and White LED	
BIOMETRICS			
Face Capacity	50,000 Faces (up to 100,000 Faces w/out facemask)		
FAR (1:1 / 1:N)	Up to 0.0001%		
Matching Speed	100ms (300ms including liveness check)		
Throughput	60 People per Min		
Operational Distance	1 to 4ft (0.3 to 1.3m)		
COMPLIANCE			
Certifications/Directives	FCC, CE, ROHS, NDAA		
Security	IEC 62599-1, IEC62599-2		
Safety	UL 294, UL 62368-1 Ed. 3 *pending		
Electromagnetic Emissions	FCC		
COMMUNICATION			
Transmission Protocols	IPv4, IPv6, TCP/IP, UDP, DHCP, SIP, RIO		
Compression type	MJPEG, H.264, H.265		
Network Encryption	TLS 1.2 and 1.3 encryption, 802.1x authentication		
Video Output	RTSP		
AUDIO & INTERCOM			
Speaker	1.2W 86dB		
Microphone	Omnidirectional		
Streaming	2-way, full duplex VoIP, Video Intercom		
Compression	SIP, WebRTC, G.711, 8 kHz		
ACCESS CONTROL REQUIREMENTS			
Input/Output	1x Door Sensor, 1x REX, and 2 programmable I/O		
Relay	1x NO/NC Form C relay, max. 24VAC / 1A		
Wiegand	1x Input, 1x Output		
OSDP	1x Input, 1x Output		
RF Card Reader (13.56 MHz)	Via external reader (Wiegand/OSDP)		Mifare, DESfire EV1/EV2/EV3/LEAF, HID iClass, Elite, SeOS, PIV/ PIVi, CIV, TWIC, FIPS201
RF Card Reader (125 kHz)	Via external reader (Wiegand/OSDP)		Proximity
Card formats	26-bit, 34-bit, 35-bit, 37-bit, custom up to 254-bits		
Factors of Authentication	Face, RFID Card, Pin Code, QR Code, Mobile/BLE, Template on Mobile, Template on card OR combinations		
Supports facemasks	Yes		
Mounting Height	46 to 58 inches (115 to 150 cm)		
Liveness (Presentation Attack)	3-Tech presentation attack detection (RGB, 3D structured light, and Infrared)		
QR Code	2-dimensional bar codes (version 1, 2, 3, 4)		
PKOC Mobile Credential	BLE Transmission, up to 30ft (10m) away (in pocket)		
Privacy	Store PII on mobile device OR on door station database		
Intent Detection	Yes		
Face Template on Mobile	Biometric Template Stored on Mobile Device		
Face Template on Card	Biometric Template Stored on Mobile RFID Card		
Keypad	Digital Keypad / Keycode / Scramble Supported		

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SC100/200 DIMENSIONS

5.5 in (14cm)

5.5 in (14cm)

Front

1.5 in (3.8 cm)

4.13 in (10.5cm)

Side

1.81 in (4.6 cm)

3.28 in (8.3cm)

0.9 in (2.3cm)

Mounting Plate

SC50 DIMENSIONS

1.70 in (4.32 cm)

Front view

1.16 in (2.95cm)

5.25 in (13 cm)

Side view with Mounting Bracket

Mounting Bracket Side View

1.70 in (4.32 cm)

3.11 in (7.9 cm)

0.95 in (2.414 mm)

5.25 in (13 cm)

Mounting Bracket Rear View