



Sim^a

Intelligent, Effective Use of Facial Verification

Multi-Factor, Cloud-Based Access Control

Sima by Active Witness is an all-in-one, multi-factor Access Control solution that delivers the added security of facial authentication at a fraction of the cost of existing systems.

Using a mobile credential as an identity claim which then must be verified with the user's pre-enrolled facial template, Sima provides the upgraded security level that traditional access credentials cannot offer. Since cards, fobs, and PIN's can be compromised or copied, Sima is a secure, contactless alternative to both the cost and administration of conventional systems.

The Active Witness cloud-based software seamlessly integrates with the Sima software and an end-user's smartphone to upgrade any facility with a convenient, affordable, and cost-effective option.

Benefits

- **All-in-one** access control, doorbell, camera
- **Remote Access** Management
- **Mobile friendly**
- **Remote-Enrollment** via Smartphone in 60 seconds
- **Plug & Play** Installation
- **No 3rd Party** software or controller required
- **Easily scalable** to multiple doors
- **Affordable & Cost-Effective**

Highlights

Secure Single and Multi-Factor Credentials

Single-factor with secure QR codes that cannot be shared - or two-factor verification (QR code & Face) for higher security level.

Access Control as a Service (ACaaS)

Active Witness merges the benefits of subscription cloud-based software with onsite hardware, making it possible for users to control access remotely, and backup and store data securely.

Fast Installation via Power Over Ethernet (POE)

The Sima receives power and connectivity via POE and includes a connector for 12VDC operation allowing for faster installation than legacy on-site based systems.

Scalable Licensing

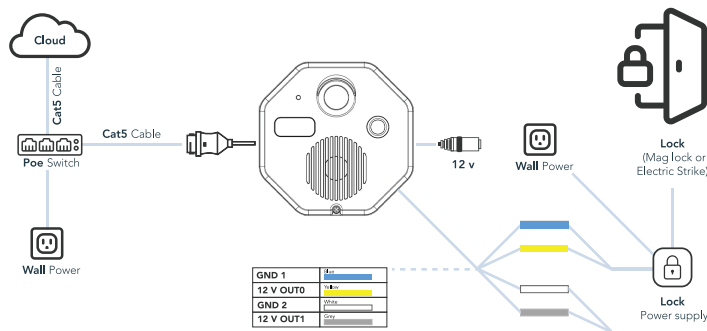
Monthly subscriptions available specific to the total size of the user base - not the number of readers per facility.

Learn More  ActiveWitness.com



Technical Specifications

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|------------------------------|---|
| Facial Biometric Mode | 1:1 Facial Verification |
| False Acceptance Rate | 0.001% |
| False Rejection Rate | 0.01% |
| Connected Capacity | License Required with capacity up to (10, 25, 50, 100+) |
| Network Security | TLS (1.2) (HTTPS) |
| Environment | IP65, keep in sheltered location. |
| Temperature | -40°C - 50°C (-40°F - 122°F) |
| Humidity | 10-90% RH (Non-Condensing) |
| Power Input | POE, or 12V DC @ 2A |
| Lock Control Output | 12V Max 300mA on PoE Max 400mA on 12V input |
| Internet | Wired ethernet (Cat5 or better) |
| Size | 5.11" x 5.11" x 2" (13cm x 13cm x 5 cm) |
| Mounting Height | 5'3" to the center of the device (160 cm) *Suggested |
| Certifications | FCC, CE |
| Mounting Capability | Standard 4' Utility Box in sheltered location. |



Features

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|--|---|
| Secure Single-Factor Credentials | Dynamic QR codes prevent the sharing of single factor credentials. |
| Multi-Factor Facial Verification | User facial verification for highly secure access that uses 1:1 facial biometric match with liveness detection. |
| Digital Doorbell & Remote Door Unlock | Alerts administrator that someone is at the access point, requesting access. Access can then be granted remotely from the app. |
| Cloud-Based Software | Software can be accessed from any device with an internet connection. |
| Weekly Scheduler | Administrator can set business hours so users can only obtain access to the facility during preset office hours. |
| Credential Expiry Option | Set an expiry to any access credential so after a set time, the users credential will become invalid. |
| Access Logs | Look at user access logs to see when they have been granted or denied access to your facility. |
| Database Inquiry | Superusers can access and filter access data from the apps built-in database feature. |
| Remote Enrollment | Users can enroll themselves with the Active Witness app in <60-seconds. |
| Liveness Detection & Anti-Spoofing | Facial biometric software is overlaid with anti-spoofing and liveness detection to ensure a users live presence in front of the sensor. |

Ordering Information

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|--|---|
| Sima - Reader Part #: VA - 08 | The device is powered with either a 12VDC @2A power supply, or directly from PoE. The power supply can be ordered separately. |
| Made in South Korea and Vietnam | |

Camera

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|-----------------------------|--|
| Resolution | 1/2.8" 2.1M CMOS |
| Total Pixel | 1945(H) X 1109(V) |
| Focal Length | 4mm F:2.6 |
| Lens Type | Fixed |
| Iris Type | Auto Exposure |
| Field Angle | D: 103, H:88, V:46 |
| Minimum Illumination | 0.09Lux (F2.6) |
| SN Ratio | 50dB |
| Shutter Speed | Auto / Manual (1/15 ~ 1/32000), Anti Flicker, Slow Shutter (1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10) |
| Dynamic Range Conf. | WDR(DOL) |
| Dynamic Range | 120dB or above |
| DNR | 3D-DNR |
| Privacy Mask | 16 Programmable Zone |
| AGC | auto |
| Image Processing | Exposure, White balance, Sharpness |

IO & Event

| | |
|---------------------------|-------------------|
| Event Trigger | 1/2.8" 2.1M CMOS |
| Pre/Post Buffer | 1945(H) X 1109(V) |
| Event Notification | 4mm F:2.6 |
| Ethernet | Fixed |

Security & Network

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|-------------------------|---|
| Network Protocol | TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF |
| Security | HTTPS(SSL), IP Filtering, 802.1x, Digest Authentication |
| SIP/VOIP Support | 4mm F:2.6 |

Encoder (Video/Audio)

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|---------------------------------------|---|
| Video Compression | H.264, H.265, MJPEG |
| H.264 Profile | MP, HP |
| H.265 Profile | MP |
| Max Resolution | 1920 x 1080 |
| Multiple Stream | 1080p30 + D1(704x480 or 704x576) p30 with H.264, H.265 + MJPEG |
| Support Resolution (H.264) | 1080p/720p/VGA/D1/CIF |
| Support Resolution (H.265) | 1080p/720p/VGA/D1/CIF |
| Support Resolution (MJPEG) | 1280x720/800x600/VGA/768x432/ D1/CIF |
| Video bps | 100k~10M, Multi-rate for Preview and Recording |
| Bitrate Control | Multi Streaming CBR/VBR at H.264, H.265 (Controllable frame rate and Bandwidth) |
| Audio Compression | G.711 |
| Special Feature | Smart LBR, ROI |