



# Sim<sup>a</sup>

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 3<sup>rd</sup> Party** software or controller required
- **Easily scalable** to multiple doors
- **Affordable & Cost-Effective**
- **ONVIF** Compliant
- **Video Intercom** with two-way audio

### 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**

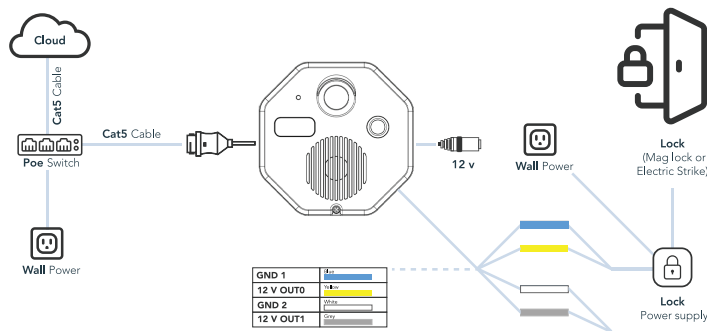
Software license is scalable to unlimited doors and facilities. License cost is based on the total number of access points.

Learn More  [ActiveWitness.com](https://ActiveWitness.com)



## Technical Specifications

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



## Features

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

## Ordering Information

<b>Sima - Reader</b> <b>Part #: VA - 08</b>	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

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

## IO & Event

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

## Security & Network

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

## Encoder (Video/Audio)

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