Elements

Security in its simplest form

Overview

The LenelS2™ Elements™ solution is a comprehensive, intuitive access control and video solution built for the cloud. The Elements solution is a scalable solution that's ideal for cloud-first organizations and those needing to replace aging servers and software. Elements is available as a standalone solution but can also integrate with the OnGuard® access control platform using the Elements OnGuard Connector to extend enterprise-level security to any building or office. From SMB to enterprise, Elements is the access control solution that grows with you.

User Interface: The Elements solution is powerful yet intuitive for users of any background. The web portal is designed to be accessible and usable from any device including mobile phones and browsers.

Video Recorder: Designed specifically for the Elements solution, the Elements Video Recorder provides a cost-effective, high-performance on-premise video storage solution, which enables secure access to video from anywhere and at any time via the cloud.

Controllers: Elements supports LenelS2's purpose-built Network Node controller hardware, non-proprietary Mercury hardware, and Honeywell Pro-Watch panels.

Business System Integration: The Elements ecosystem ties into our customers' day-to-day business operations. Elements does this by leveraging integrations like SCIM (for people management) and cloud automations (to collaboration tools like MS Teams, SLACK, Google Sheets, and more), to simplify and solidify business processes.

BlueDiamond Readers: LenelS2 BlueDiamond™ readers provide a feature-rich reader platform with support for Wiegand, OSDP™, and OSDP Secure Channel protocol. Simultaneous support for a wide range of smart cards, including HID iCLASS®, MIFARE®, and DESFire® EV1 and EV2, is included.

Mobile Credentials: A smart alternative to plastic badges, mobile credentials enabled through the BlueDiamond mobile app offer convenience without compromising security. Credentials can be easily allocated to new phones or people and remotely deactivated, all from within the Elements user interface.
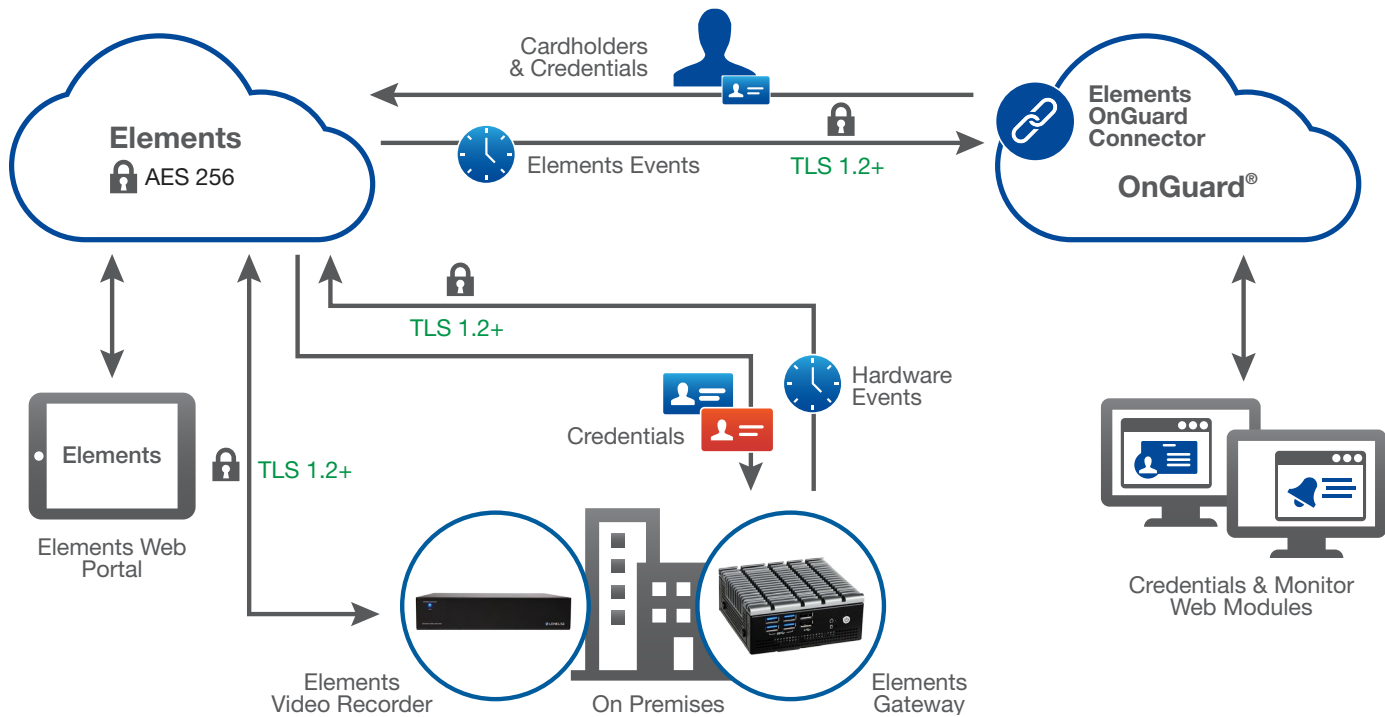
Key Features

Cloud-based Access Control and Video Management Solution

- Mobile first: full solution access to monitor and manage your solution from any mobile device

- Enterprise-minded: solution scalability through use of the Elements OnGuard Connector

- Real-time hardware events: interact and monitor the Elements access control solution in real time, from anywhere

- Reporting: export activity and audit transactions for archiving and forensic analysis

- Native video integration: integrates exclusively with the Elements access control solution for unified system management

- Video viewing: perform live monitoring or view recorded playback from any camera directly from the Elements platform with no browser add-ons, no external VMS, or extra software required

- Video search: easily search recorded video by date and time to quickly find events of interest

- Easy access to video: video is optimized through peer-to-peer connection or cloud routing, allowing real-time video streaming to most mobile phones, tablets, and browsers

- Guest Pass: uniquely generated links enable approved guests to unlock a reader without being issued a badge or mobile credential

- Cloud Automations: send alarm or event notifications to collaboration systems, allowing users to more effectively communicate in response to events

- System for Cross-domain Identity Management (SCIM): simplifies and accelerates the process of generating new access credentials, no additional services or middleware needed

- Badge Design & Printing: available integration with idProducer browser-based interface allows users to design ID badges and manage badge printing in Elements from any device

- Event Acknowledgement: track, investigate, prioritize and resolve significant events that affect your organization
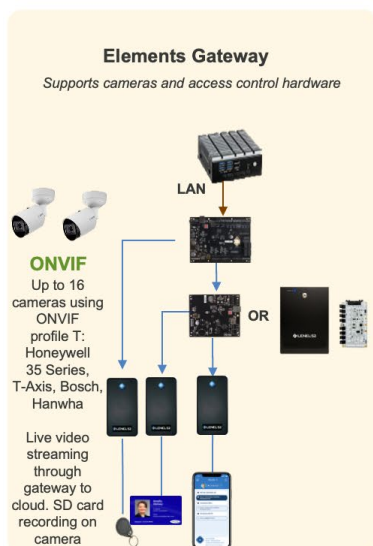
Elements

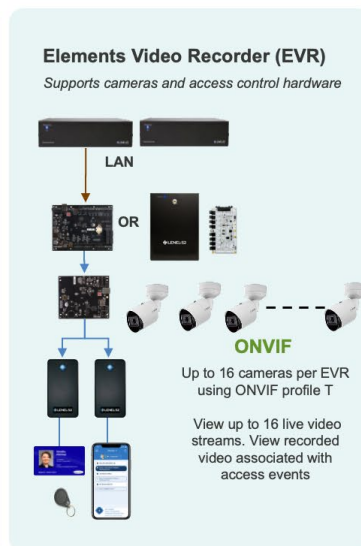## Data flow between the Elements solution and OnGuard system using the Elements OnGuard Connector
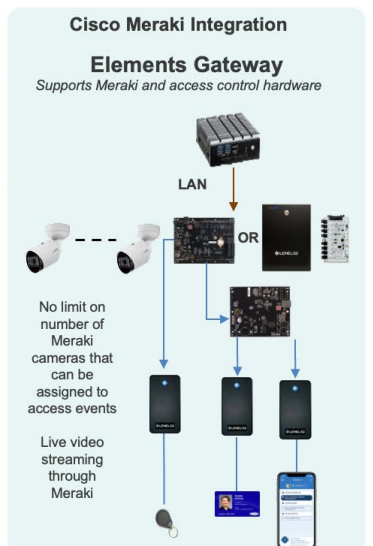

Elements 🔒 AES 256

Cardholders & Credentials

Elements Events

TLS 1.2+

Elements OnGuard Connector

OnGuard®

Hardware Events

Credentials

TLS 1.2+

Elements Web Portal

TLS 1.2+

Elements Video Recorder

On Premises

Elements Gateway

Credentials & Monitor Web Modules

Deployment Options

Edge Video Storage Option

Elements Gateway

Supports cameras and access control hardware

LAN

ONVIF
Up to 16 cameras using ONVIF profile T: Honeywell 35 Series, T-Axis, Bosch, Hanwha

Live video streaming through gateway to cloud. SD card recording on camera

OR

Network-Based Video Storage Option

Elements Video Recorder (EVR)

Supports cameras and access control hardware

LAN

OR

ONVIF
Up to 16 cameras per EVR using ONVIF profile T

View up to 16 live video streams. View recorded video associated with access events

Third-Party Video Storage Option

Milestone XProtect Integration

Elements Gateway

Supports Milestone cameras and access control hardware.

LAN

Milestone XProtect Server On-Prem

OR

Readers
Any BlueDiamond, Weigand, or OSDP reader

Credentials
Credentials issued through Elements are used to gain access to doors via readers or locks

Cisco Meraki Integration

Elements Gateway

Supports Meraki and access control hardware

LAN

OR

No limit on number of Meraki cameras that can be assigned to access events

Live video streaming through Meraki

Key Elements Integrations

- **Milestone** – Elements integrates with the Milestone video management system (VMS) through a gateway to facilitate video monitoring

- **Cisco Meraki** – Allows users to add cameras and facilitate video monitoring in Elements

- **Honeywell 35 Series Video Cameras** – Enables use of the Honeywell 35 Series cameras in Elements, offering robust live surveillance and recorded playback with a new device offering

- **ASSA ABLOY Aperio Compatible Wireless Locks** – Allows customers to leverage globally-compatible Aperio wireless locks in Elements, connected through the AH30 / AH40 hubs

- **Schlage (Allegion) Wireless Locks** – Allows the use of Schlage ENGAGE Gateways and PIM Interface, and Schlage NDE, LE, and AD-400 wireless locks with the Elements ecosystem, including support for lock functions (Privacy, Office, Apartment, and Classroom), Deadbolt, and Interior Push Button (IPB)

- **System for Cross-domain Identity Management (SCIM)** – Simplifies and accelerates the process of generating new access credentials within Elements

- **SpecsID idProducer** – Enables Badge design and printing within Elements from any device

- **Splan** – Facilitates visitor management for Elements users, enabling visitors to be checked in or checked out and issued credentials

- **Sine by Honeywell** – Modernize your check-in process with automated and auditable tools to manage and track all phases of visitor and contractor entry and compliance management

Specifications

Access Control	
Total number of credentials	Unlimited
Total number of readers	Unlimited
Total number of spaces	Up to 32 per person
Total number of card formats	Up to 15 customer-defined card formats per controller
Total number of facility codes	Up to 15 facility codes per controller

Video	
IP cameras	Up to 16 ONVIF profile T cameras per recorder**
IP camera resolution	Camera dependent, up to 4K*
IP camera frame rate	Camera dependent
Compression type	H.264
Storage	8TB per recorder

*Network data rate may affect performance
**Multiple recorders can be set up per site

Supported Controller Hardware	
LenelS2 Network Nodes	M1-3200, MicroNode Plus
Non-proprietary Mercury hardware	EP- (LNL-Series), LP- (X-Series), and MP- (M-Series).
Honeywell Pro-Watch hardware	PW7Ke, PRO4200

Cybersecurity & Privacy

- Data in transit – TLS 1.2+
- Data at rest – AES 256
- CSA Star Level 1
- ISO 27001 Certified
- ISO / IEC 27001:2022
- NIST 800-53 Compliant
- SOC 2, Type 1 Compliant
- IEC / ANSI / ISA 62433 4-1 Compliant
- Quarterly pen testing by policy; semi-annually by third-party, and semi-annually by internal LenelS2 team
- Supports Wiegand, OSDP and OSDP Secure Channel readers

The Elements solution is a rapidly growing cloud solution. Visit www.lenels2.com for updates.

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LenelS2.com

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Specifications subject to change without notice.