Interoperability demands for peripheral devices

Users looking to incorporate innovative identification technologies into access control systems

Examples:

• Bar code reading cameras for visitor management
• Video door stations for intercom applications
• License plate recognition cameras for parking management
• Wireless sensors and locks
ONVIF Profile D – Summary

For access control peripherals

- Transfers input credential identifiers and requests for access
- Performs actions such as locking/unlocking

Captured credential identifiers are sent to client

Access decision from client sent back to device

**Input devices** (e.g. token readers, biometric readers, cameras, keypads, sensors) and **output devices** (e.g. locks, displays, LEDs)

**Clients** (e.g. access control unit, management system)
ONVIF Profile D – Benefits

• Enables easier integration of peripheral devices using ONVIF interfaces

• Gives integrators/end users greater product choice and flexibility by enabling integration of access control and peripheral products from different manufacturers

• Can be used with other ONVIF access control and video profiles for an integrated system based on ONVIF interfaces

• Helps users implement modern and secure IP-based access control systems

• Avoid vendor lock-in; future proofs your system for a more secure investment
Profile D Use Cases

- Profile D **device** captures and sends credential identifier (e.g. card number, license plate number, biometric data) to Profile D client

- Profile D **client** can configure the Profile D device, take decision to grant/deny access and send to device the decision or prompt for more information

- **Applications:**
  - Entry systems
  - Parking gates / license plate recognition systems
  - Mobile credentials
  - Biometric verification
Use Case – License Plate Recognition Camera

• Enables integration between license plate recognition (LPR) camera and gate controller
• Camera sends credential information (license plate number) to access control system for decision
• Access control unit can prompt user for additional credential such as a card or PIN
Thank you

For more information, visit www.onvif.org/profiles/profile-d

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