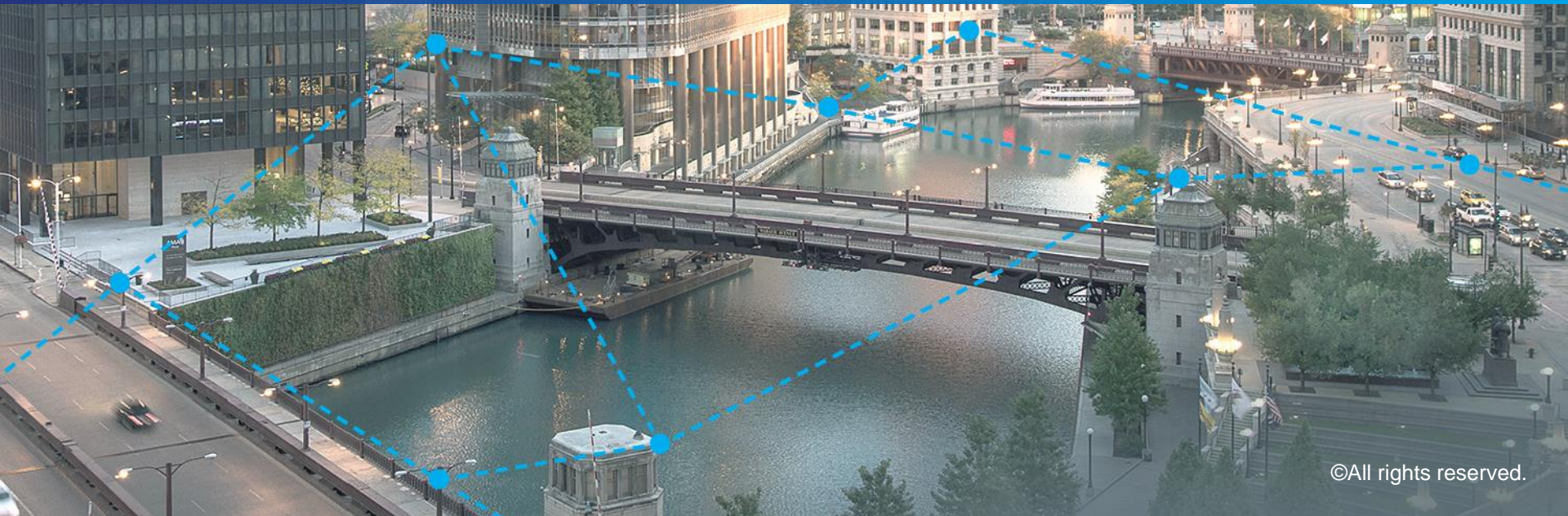


July 2021

ONVIF Profile D



Interoperability demands for peripheral devices

Users looking to incorporate innovative identification technologies into access control systems

Examples:

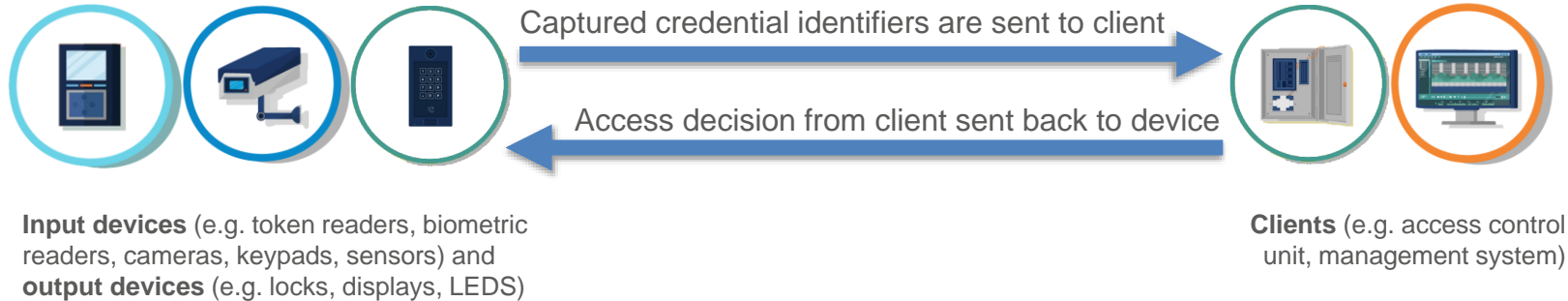
- Bar code reading cameras for visitor management
- Video door stations for intercom applications
- License plate recognition cameras for parking management
- Wireless sensors and locks



ONVIF Profile D – Summary

For access control peripherals

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



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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