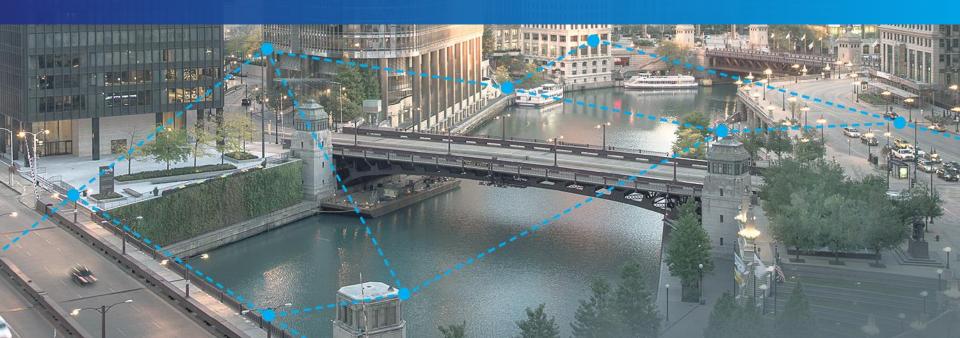
## **Understand ONVIF in 10 Minutes**



#### **ONVIF** in a Nutshell

- What is ONVIF?
- Why use ONVIF?
- ONVIF Structure Specifications and Profiles
- ONVIF Conformant Products
- Where can I get more information?



#### What is ONVIF?

- ONVIF is an organization, comprised of member companies from within the IP security industry
- The mission of ONVIF is to provide and promote standardized interfaces for effective interoperability of IP-based physical security products and services
- The three cornerstones of ONVIF are:
  - Standardization of communication between IP-based physical security products and services
  - Interoperability regardless of brand and deployment (on-premise, cloud, hybrid solutions)
  - Openess to all companies and organizations



## Why Use ONVIF?

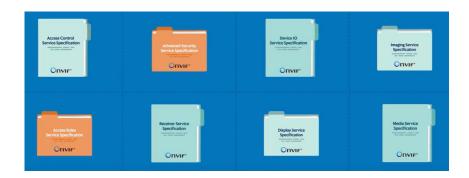


- In a multi-vendor environment. ONVIF ensures that products will work seamlessly together
- Choose between more than 33,000+ products to match your exact needs and preferences, regardless of vendor
- As an installer, ONVIF saves you installation time, trouble, cost, and future-proofs your installation



#### **ONVIF Structure**

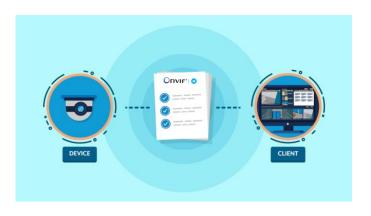
- ONVIF consists of a wealth of specifications
- These specifications are grouped into Profiles
- A Profile has a fixed set of features
- Profiles makes it easier to identify compatible products







- The Profile specifies a set of features that must be supported by both client and device
- Conformant products must support at least one Profile...
- ...but can support more than one...







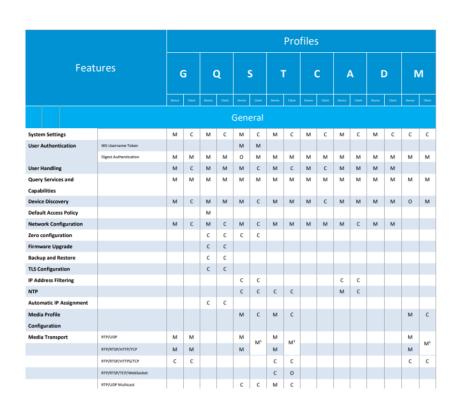
- Features in Profiles are either Mandatory or Conditional
- Mandatory features must be supported
- Conditional features only supported if relevant
- i.e., PTZ functions can only be supported in PTZ cameras





- A Profile A for broader access control configuration
- Profile C for door control and event management
- Profile D for access control peripherals
- G Profile G for edge storage and retrieval
- Profile M for metadata and events for analytics applications
- Profile T for advanced video streaming

- Online overview of features in each profile
- Check list to see exactly which features a profile covers
- Or check to see in which profile(s) your required feature is included



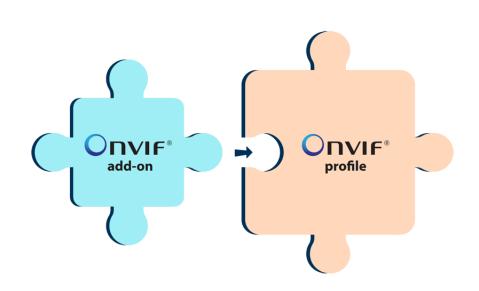


### **ONVIF Add-on**



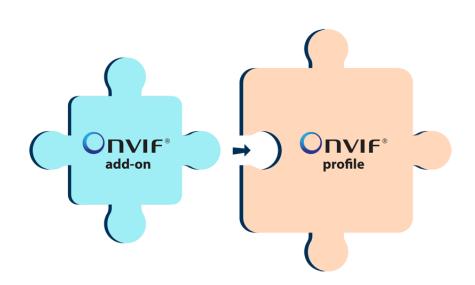
#### **ONVIF Add-on**

- One or more features that solve one use case
  - Not enough to qualify as a profile by itself
- Allows for version handling
  - Features can be added/removed if there is market justification
- Devices/clients claiming add-on conformance must:
  - Pass add-on conformance tests
  - Conform to an ONVIF profile



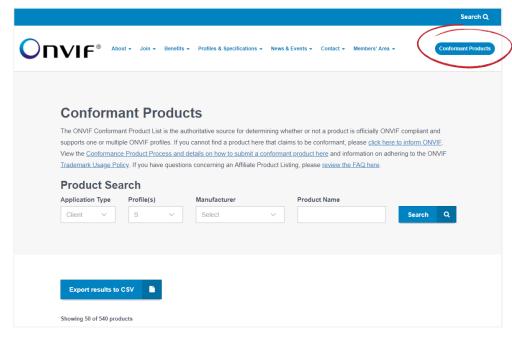
#### Benefits of an Add-on

- Allows ONVIF profile conformant device/client to claim conformance to additional capabilities outside of profiles
- Easier and quicker to develop and release due to its limited features as compared with a profile



#### **ONVIF Conformant Products**

- All conformant products are listed on the ONVIF website
- Only products listed here are guaranteed conformant



https://www.onvif.org/conformant-products/



#### Where to Get More Information

General information on ONVIF	www.onvif.org
Profiles	www.onvif.org/profiles/
List of conformant products	www.onvif.org/conformant-products/





# Thank you

For more information visit www.onvif.org

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