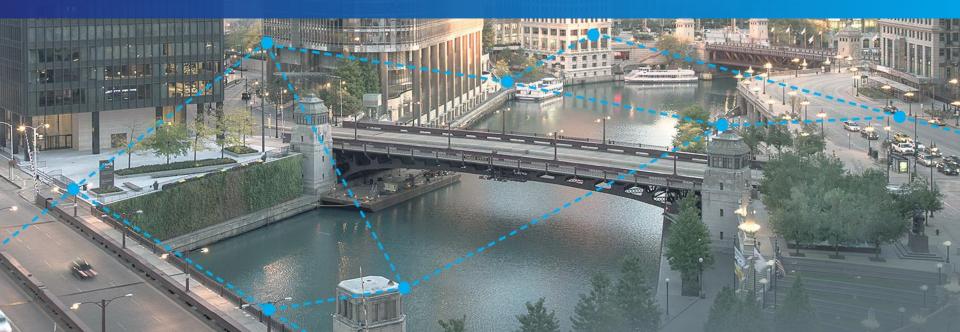


Understand ONVIF in 10 Minutes



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
- The three cornerstones of ONVIF are:
 - Standardization of communication between IP-based physical security products
 - Interoperability regardless of brand
 - Openess to all companies and organizations



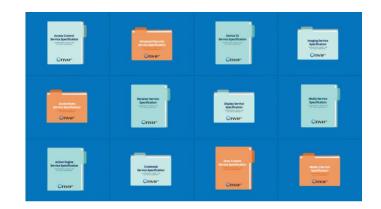
Why Use ONVIF?

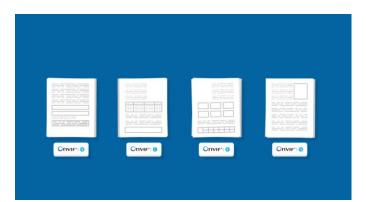


- In a multi-vendor environment, ONVIF ensures that products will work seamlessly together
- Chose between more than 25,000+ products to match your exact needs and preferences, regardless of vendor
- As an installer, ONVIF saves you installation time, trouble, cost, and future-proofs your installation

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

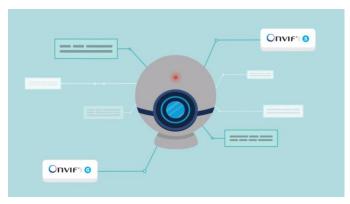






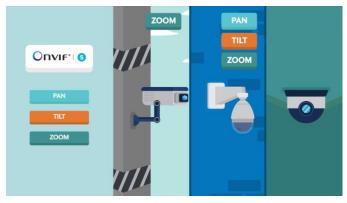
- The Profile specifies a set of features that must be supported by both client and device
- Conformant products must support at least one Profile...
- ...but can support more than one...





- 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





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

ONVIF[®] | Standardizing IP Connectivity for Physical Security

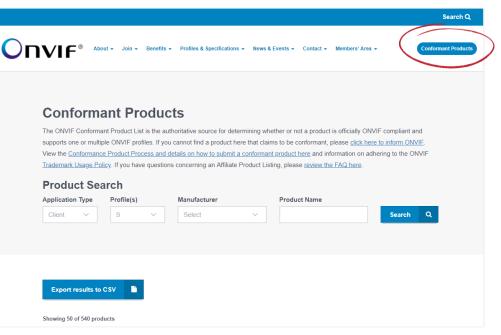
- Online overview of features in each profile
- Check list to see exactly which features a profile covers
- Or check to see in which profile(s) your required feature is included

					Profiles														
Features		G		Q		S		т		с		A		D		м			
		Device	Client	Device	Client	Device	Clent	Device	Ciert	Device	Clent	Device	Clert	Device	Clent	Device	Get		
						Gen	eral												
System Settings		м	с	м	с	м	с	м	с	м	с	м	с	м	с	с	с		
User Authentication	WS-Username Token					м	м												
	Digest Authentication	м	м	м	м	0	м	м	м	м	м	м	м	м	м	м	м		
User Handling		м	с	м	м	м	с	м	С	м	с	м	м	м	м				
Query Services and		м	м	м	м	м	м	м	м	м	м	м	м	м	м	м	м		
Capabilities																			
Device Discovery		м	с	м	м	м	С	м	м	м	С	м	м	м	м	0	м		
Default Access Policy				м															
Network Configuration		м	С	м	С	м	С	м	м	м	м	м	С	м	м				
Zero configuration				с	С	с	с												
Firmware Upgrade				С	С														
Backup and Restore				с	с														
TLS Configuration				С	С														
IP Address Filtering						С	с					с	с						
NTP						С	С	С	С			м	С						
Automatic IP Assignment				с	с														
Media Profile						м	с	м	С							м	С		
Configuration																			
Media Transport	RTP/UDP	м	м			м	M1	м	M1							м	M1		
	RTP/RTSP/HTTP/TCP	м	м			м		м								м			
	RTP/RTSP/HTTPS/TCP	С	С					С	С							С	С		
	RTP/RTSP/TCP/WebSocket							с	0										
	RTP/UDP Multicast					с	с	м	с										



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/
Intro-videos	www.youtube.com/channel/UCiZl79 oCHegilFka4DAuMyQ





Thank you

For more information visit www.onvif.org

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