The ONVIF Profile matters

There are 4 **ONVIF** profiles: make sure your cameras or NVR is profile S compliant.

Profile S	*Profile C*	*Profile G (proposed)*	*Profile Q (proposed)*
✓ for IP-based video systems ✓ Video & audio streaming ✓ Pan-tilt-zoom control & relay output ✓ Video configuration & multicast	✓ for IP-based access control ✓ Site info & configuration ✓ Door access control ✓ Event & alarm management	✓ Video & audio streaming ✓ Configure, request and control recording from conformant devices ✓ Receive audio & metadata stream	✓ for plug-and-play NVR compatibility ✓ for edge storage and retrieval

ONVIF Profile S Versions

ONVIF Profile S has evolved as the industry as has evolved. If you want to use a more advanced feature (such as motion recording or video analytics) with two different manufacture's equipment, you will need both products to be compliant with the version that introduced that feature.

Feature	Realtime Viewing	Record Video	PTZ Control	Audio Recording	Digital Input	Motion Detection	Access Control Integration	Network Video Storage	Video Analytics	NVR POE Plugs
ONVIF	-	Y	-	-	-	-	-	-	-	-
ONVIF 2.0	Y	Y	Y	Y	Y	-	-	-	-	-
ONVIF 2.1	Y	Y	Y	Y	Y		-	-	-	-
ONVIF 2.2	Y	Y	Y	Y	Y	Y	-	-	-	-
ONVIF 2.3	Y	Y	Y	Y	Y	Y	-	-	-	-
ONVIF 2.4	Y	Y	Y	Y	Y	Y	Y	Y	Y	-
ONVIF 2.42*	Y	Y	Y	Y	Y	Y	Y	Y	Y	proposed

*ONVIF 2.42 is still under development, subject to change, and not widely implemented.