

ONVIF Device Test Tool v12.12 Release Notes

December, 2012

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Release information

ONVIF Device Test Tool version v12.12 was released in December 2012. It replaces the previous release, version v12.06. There will be a grace period of three (3) months for version v12.06. ONVIF members shall after this grace period only declare conformance to this ONVIF Device Test Tool version v12.12.

Test Tool Version History

Version	Date	Update	Valid for Conformance
12.12	2012-12-19	Service release for conformance check for Profile S and ONVIF Test Specification v12.12. Introduction of test cases for Search, Recording Control, Receiver and Replay services.	Valid until next update
12.06	2012-06-22	Service release for conformance check for Profile S and ONVIF Test Specification v12.06.	Until the 31 st of March 2012 <u>2013</u>
11.12	2011-12-22	Incorporates conformance check for Profile S and ONVIF Test Specification v11.12.	Not Valid
1.02.4	2011-07-25	Incorporates ONVIF Test Specification 1.02.4.	Not Valid
1.02.3	2011-04-04	Incorporates Event service test cases as well as Errata for Test Specification 1.02.2.	Not valid
1.02.2	2010-12-21	Incorporates ONVIF Test Specification v1.02.2.	Not valid
1.02.1	2010-08-06	Incorporates ONVIF Test Specification v1.02 and incorporating ONVIF Core Specification v1.02 updates.	Not valid
1.01	2009-12-14	Update to incorporate ONVIF Test Specification v1.01.	Not valid
1.0	2009-05-26	Initial version.	Not valid

Change Log, version v12.12

1. Incorporates ONVIF Test Specification version v12.12. This version contains increased functionality coverage of ONVIF Core Specification v2.3 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Introduces test cases for the Recording Control, Receiver, Replay and Search services of ONVIF Core Specification v2.3 in prevision of introduction of Profile G.
3. Improved the usability of the ONVIF Device Test Tool including the possibility of running the tool as if every feature was supported, the ability to save and load configuration files and to expand/contract the test tree using the right-click contextual menu.

Known limitations, version v12.12

1. Requires Windows XP, Windows Vista, Windows 7, Windows Server 2003, or Windows Server 2008, with Microsoft .NET framework v3.5 SP1 and at least 4GB of memory.
2. Media framework ffdshow needs to be installed separately to support live video. Recommended ffdshow revision is 4422. See 'Installation Guide' for details.
3. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
4. There have been reported problems with discovery on computers with multiple network interface cards. Therefore it is recommended installing the test tool on computers with only one network interface card.

Known bugs, version v12.12

1. Streaming test cases sometimes fail with error message:
Attempted to read or write protected memory. This is often an indication that other memory is corrupt.
This is a known issue with the way the tool uses ffdshow and it will be fixed in the next version of the ONVIF Device Test Tool. You can re-run the tool when this issue occurs as a workaround until then.
2. Replay test cases RTSP Describe timeout might be too short for some device implementation. If it takes more than a few hundred milliseconds to respond to a RTSP Describe request some of the Replay test cases might fail. This will be fixed in the next version of the ONVIF Device Test Tool to use a much longer timeout.

Change Log, version v12.06

1. Incorporates ONVIF Test Specification version v12.06. This version contains increased functionality coverage of ONVIF Core Specification v2.2 and Profile S. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. Fixed support of 64-bit Windows OS.
3. Updated the ffdshow version to revision 4422.
4. Refactored the Test Tool to support multiple profile conformance in prevision of introduction of Profile G.
5. Improved the usability of the ONVIF Device Test Tool including the possibility of repeating the current test run, the ability to see previous test case details while other test cases are running, and to run the Test Tool from Command Prompt which starts a test run immediately and generates a test report at the end.

Known limitations, version v12.06

1. Requires Windows XP, Windows Vista, Windows 7, Windows Server 2003, or Windows Server 2008, with Microsoft .NET framework v3.5 SP1.
2. Media framework ffdshow needs to be installed separately to support live video. Recommended ffdshow revision is 4422. See 'Installation Guide' for details.
3. For IPv6 test cases to work, the IPv6 routing table has to be manually configured in Windows. See 'Installation Guide' for details.
4. There have been reported problems with discovery on computers with multiple network interface cards. Therefore it is recommended installing the test tool on computers with only one network interface card.
5. Streaming client in the Media Tab has decoding issues with JPEG video data at width or height higher than 2040 pixels. To be fixed in next release of the ONVIF Device Test Tool.

Change Log, version v11.12

1. Incorporates ONVIF Test Specification version v11.12. This version contains increased functionality coverage of ONVIF Core Specification v.1.02. In addition, all Change Requests, Errata's and interpretations done for later versions of ONVIF Core Specification apply.
2. The ONVIF Device Test Tool includes conformance check for Profile S.
3. The test cases listed in ONVIF Imaging Test Specification v11.12 have been included in this version of ONVIF Device Test Tool.
4. Feature Discovery mechanism has been included in this version of ONVIF Device Test Tool.
5. HTTP Digest Authentication has been added in this version of ONVIF Device Test Tool.
6. Considerable changes have been done to the GUI.