

# Intel® Media Server Studio 2017 – Professional Edition for Windows\* Server Release Notes

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## Overview

The **Intel® Media Server Studio – Professional Edition for Windows\* Server** provides software development tools and libraries needed to develop enterprise grade media solutions on Intel® Server Products. The suite includes:

- *Intel® Media Server Studio 2017 – Graphics driver*
- *Intel® Media Server Studio 2017 – SDK* (hereinafter referred to as "SDK") is designed for optimizing datacenter and embedded media applications for Linux server operating systems to utilize Intel® Iris™ and Intel® HD Graphics hardware acceleration capabilities.
- *Intel® Media Server Studio 2017 – SDK for OpenCL™ Applications* assists with creating, building, debugging, and analyzing OpenCL applications.
- *Intel® Media Server Studio 2017 – Audio Decoder and Encoder* (hereinafter referred to as "Audio") is a dedicated library for audio codec software processing.
- *Intel® Media Server Studio 2017 – HEVC Decoder and Encoder* (hereinafter referred to as "HEVC") is of set of software development libraries (plug-ins) and tools that that expose the HEVC (ISO\*/IEC\* 23008-2 MPEG-H Part 2 or ITU-T\* H.265 standard) decode and encode acceleration capabilities of Intel® platforms.
- *Intel® Media Server Studio 2017 – Premium Telecine Interlace Reverser* (hereinafter referred to as "PTIR") is a development library that exposes the media acceleration capabilities of Intel platforms for video deinterlacing/inverse telecine processing.
- *Intel® Media Server Studio 2017 – Video Quality Caliper* is a graphical utility for objective and visual quality inspection of encoded or uncompressed videos

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- *Intel® VTune™ Amplifier XE* is a powerful threading and performance optimization tool for developers who need to understand an application's serial and parallel behavior to improve performance and scalability.
- *Intel® Media Server Studio 2017 – Samples* show how to use different SDK features.

## What's New

The Intel® Media Server Studio 2017 – Professional Edition for Windows\* Server includes the following components:

- Intel® Media Server Studio 2017 – Graphics Driver, version 20.19.15.4483
- Intel® Media Server Studio 2017 – SDK, version 7.0.0000.358
- Intel® Media Server Studio 2017 – SDK for OpenCL™ Applications 2016 R2
- Intel® Media Server Studio 2017 – Audio Decoder and Encoder, version 6.0.0.1
- Intel® Media Server Studio 2017 – HEVC Decoder and Encoder, version 1.0.9
- Intel® Media Server Studio 2017 – Premium Telecine Interlace Reverser, version 1.2.0
- Intel® Media Server Studio 2017 – Video Quality Caliper, version 2.3.0.1
- Intel® VTune™ Amplifier XE 2017
- Intel® Media Server Studio 2017– Samples, Windows\* version 6.0.0.206, Linux\* version 7.0.16053611. The latest version of samples package (with all samples binaries and corresponding source code) could be downloaded from [Intel\(R\) Media Server Studio Support](#).

For information on what is new in each component, please read the individual component release notes:

- the Intel® Media Server Studio 2017 – SDK Release Notes  
<studio-install-dir>\Documentation for Professional Edition\  
media\_server\_studio\_sdk\_release\_notes.pdf
- the Intel® Media Server Studio 2017 – SDK for OpenCL™ Applications Release Notes  
<https://software.intel.com/en-us/articles/opencl-code-builder-release-notes>
- the Intel® Media Server Studio 2017 – Audio Decoder and Encoder Release Notes:  
<audio-install-dir>\release\_notes\_audio.pdf
- the Intel® Media Server Studio 2017 – HEVC Decode & Encode Release Notes:  
<hevc-install-dir>\media\_server\_studio\_hevc\_release\_notes.pdf

- the Intel® Media Server Studio 2017 – Premium Telecine Interlace Reverser Release Notes:  
<ptir-install-dir>\media\_server\_studio\_ptir\_release\_notes.pdf
- the Intel® Media Server Studio 2017 – Video Quality Caliper Release Notes:  
<caliper-install-dir>\Video\_Quality\_Caliper\_Release\_Notes.pdf
- the Intel® VTune™ Amplifier XE Release Notes:  
<vtune-install-dir>\documentation\en\release\_notes\_amplifier\_windows.pdf

## System Requirements

### Hardware

Media Server Studio supports the following platforms with the integrated graphics:

- Intel® Xeon® E3-1200 v4 Family with C226 chipset
- Intel® Xeon® E3-1200 and E3-1500 v5 Family with C236 chipset
- 5th Generation Intel® Core™
- 6th Generation Intel® Core™

Additionally, for Intel® Xeon® E5 v4 and v5 processors, support of software-only (CPU) HEVC decode and encode, select video pre-processing (CSC, scaling, DI), and virtualization (KVM\*, Xen\*) is available.

**Note:** Individual components could have specific requirements, please read the corresponding release notes.

### Software

Please see the individual component release notes to know about supported operating systems and required software list.

## Installation

Installation of Intel® Media Server Studio 2017 – Professional Edition for Windows\* Server requires full administrative rights.

Please run the installer MediaServerStudioProfessional2017.exe.

Installer will guide installation process, please follow it.

To activate **Intel® Media Server Studio 2017 – Video Quality Caliper** after installation you need:

- If you have Intel Media Server Studio license file then put the file in the following default directory:

Under Microsoft\* Windows\* 32-bit:

c:\Program Files\Common Files\Intel\licenses\

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Under Microsoft\* Windows\* 64-bit:

c:\Program Files (x86)\Common Files\Intel\licenses\

- If there is no Intel Media Server Studio license file available please:
  1. Log in to the [Intel® Registration Center](#) by entering your login ID and password. You will see a list of all your products.
  2. For each product, you will see the product name, component names (if applicable), a link to the latest version available for download, and the posted date of the latest update.
  3. Clicking **Intel® Media Server Studio – Professional Edition** will take you to the subscription history page where you will be able to download the latest version. On the bottom, you will find the serial number, support status, and links to manage the license and renew your subscription.
  4. If you want to download the license file or resend it to your email account, click the Manage link under the Admin column to go to the Manage License page. You will see two icons on the License File header 'Download license file' and 'Resend license file to my email'. If you chose the second option, you will receive an email with the license file as an attachment. [Note: If you have installed a 2016 product you may have more than one license file per product].

If you have any questions on licensing, visit the [Licensing FAQ](#) page.

NOTE: if you select Intel® MSS 2017 – Graphics Driver to be installed then after Intel® MSS 2017 installation is completed you should reboot your system. This is necessary for correct operation of the Graphics Driver.

On Windows\* 7 operating systems installation can return an error during driver installation, however after system reboot it will function correctly.

On Windows\* 10 operating systems installation can return an error during driver installation or installer exit before installation confirmation. In this case package reinstall is required.

## Installation Folders

Intel® Media Server Studio 2017 – Professional Edition for Windows\* Server installs under "C:\Program Files\Intel\Intel(R) Media Server Studio 2017\" – this is referenced as <studio-install-dir> in the remainder of this document.

Intel® Media Server Studio 2017– Samples installs under C:\Users\<username>\Documents\Samples for Intel(R) Media Server Studio 2017 – this is referenced as <samples-install-folder> in the remainder of this document.

<b>Component</b>	<b>Description</b>
<studio-install-dir>\Documentation for Professional Edition	Intel® Media Server Studio – Professional Edition for Windows* Server documentation: this file, Intel Media Server Studio – SDK Release Notes, EULA, EULA’s accompanying files.
<studio-install-dir>\Software Development Kit	Intel® Media Server Studio – SDK.
<studio-install-dir>\Graphics Driver	Intel® Media Server Studio – Graphics Driver contains redistributable package GraphicsDriverWin64.zip
C:\Program Files (x86)\Intel\OpenCL SDK\6.1	Intel® Media Server Studio – SDK for OpenCL™ Applications.
<studio-install-dir>\Audio Decoder & Encoder	Intel® Media Server Studio – Audio Decoder & Encoder.
<studio-install-dir>\HEVC Decoder & Encoder	Intel® Media Server Studio – HEVC Decoder & Encoder.
<studio-install-dir>\Premium Telecine Interlace Reverser	Intel® Media Server Studio – Premium Telecine Interlace Reverser.
<studio-install-dir>\Video Quality Caliper	Intel® Media Server Studio – Video Quality Caliper.
C:\Program Files (x86)\IntelSWTools\VTune Amplifier XE 2017	Intel® VTune™ Amplifier XE

## Known Limitations

For information on known limitations in each component, please read the individual component release notes.

## Legal Information

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## **Optimization Notice**

Intel's compilers may or may not optimize to the same degree for non-Intel microprocessors for optimizations that are not unique to Intel microprocessors. These optimizations include SSE2, SSE3, and SSSE3 instruction sets and other optimizations. Intel does not guarantee the availability, functionality, or effectiveness of any optimization on microprocessors not manufactured by Intel.

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Notice revision #20110804