Cinegy Desktop 14 System Recommendations

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Chapter 1. Operating Systems Support

Cinegy Desktop runs on the following operating systems: Windows 10, Windows Server 2012 R2, Windows Server 2016.

Operating system recommendation: Windows 10.



We recommend updating Windows OS to include the latest Microsoft updates and hotfixes.

1.1. Supported Hardware



Cinegy products work only on machines with CPU supporting minimum instruction set SSE4.1



These system recommendations use older hardware which has been previously tested. The CPU's listed should be used as a guide to select modern equivalent options and not as direct requirements.

The required hardware largely depends on the working video resolution to be used at each desktop machine. The hardware requirements for working with low-quality-SD files are met by virtually any machine (e.g. Intel Pentium E2160 1.8GHz or better). For all other formats the performance requirements are the same as those given for Cinegy Air PRO (refer to the **Cinegy Air PRO system recommendations**). For example, when doing cuts-only medium-quality-SD editing (DVD-quality MPEG-2) a single processor 2.7 GHz Intel Pentium E5400 machine is sufficient. However, for more demanding tasks, such as creating effects and titles in real-time, a dual processor machine or a single processor machine with dual cores are recommended.

1.2. Hardware Recommendations for Ingest Operations

Cinegy Capture Desktop Edition is high volume media ingest system for broadcast and media production environments, capable to capture live streams. For capture operations the performance requirements are based on the **Cinegy Capture system recommendations**.

1.3. Hardware Recommendations for Import Operations

File based sources are captured using Cinegy Convert Desktop Edition. For import operations the performance requirements are based on the **Cinegy Convert system recommendations**

1.4. Hardware Recommendations for SD Operations

Dual core processor with 2 GHz or better (Core2Duo, Core i5). 2GB of RAM or better (4GB when using 64-bit OS). Gigabit Ethernet.

Recommended hardware: Any Windows 10 certified PC. NVIDIA GeForce GT240 or GT430 graphics card or better.

1.5. Hardware Recommendations for HD Operations

Single six-core processor with 2 GHz or better (Core i7 or single Xeon 56xx) or dual quad or six-core processors. 6GB of RAM. Gigabit Ethernet.

Recommended hardware: HP Z400 or similar. NVIDIA GeForce 200 series graphics card or better.

1.6. SDI Video Card Support for Monitoring

Cinegy Desktop supports the following SD/HD SDI video cards: Blackmagic DeckLink family of cards, DVS Centaurus II (LT), Atomix LT.

Recommended hardware: Blackmagic is good value for money for this task.

1.7. Memory

Standard Definition video – at least 4GB of RAM.

High Definition video – at least 6GB of RAM.

Recommended hardware: 6GB of RAM or more.

If other applications are running on the machine at the same time, additional memory may be advised.

1.8. Graphics Card

There are no particular requirements in regards to graphics card unless the optional video output of such card is supposed to be used as a control video monitor output. Any recent graphics card from NVIDIA will work. Even integrated graphics adapters as found in motherboard chipset by Intel will work fine in most scenarios.



If you are using an NVIDIA graphics card, we recommend that you optimize its performance by setting the "Prefer maximum performance" value for the "Power management mode" parameter in the NVIDIA Control Panel.



To use GPU decoding offload for H.264 and Daniel2 encoded media files in Cinegy Desktop, the proper NVIDIA graphics card and graphics diver are required. In case other cards are installed - only CPU decoding is possible.

To work with Cinegy Titler only NVIDIA boards are currently certified. Other cards may work but with no guarantee. For editing purposes in Cinegy Desktop / Cinegy Titler editor cards like NVIDIA GeForce GT 240 or GT 430 graphics card or better are recommended.

For HD applications the graphics adapter should be equipped with at least 256 MB of memory and the memory bus width should be 128 bit or better. For HD playback motherboard integrated graphics, to date, are not fast enough.



After installing a dedicated graphics card, please disable the onboard graphics card (e.g. Matrox) using the Windows Device Manager > Display Adapters and selecting the "Disable device" option for that card.

Supported video hardware for control monitor video output:

- Any VGA card that can output the DirectX overlay on video out. DirectX/3D 9 acceleration support is recommended, NVIDIA is recommended for Cinegy Desktop with Cinegy Titler.
- Blackmagic Design DeckLink series SDI video boards.
- DVS Centaurus II (LT), Atomix LT video boards.

Chapter 2. Supported Formats, Codecs, and Devices

2.1. Supported Formats

SD TV Formats	
PAL 4:3	SDTV 4:3 25
NTSC 4:3 non-drop	SDTV 4:3 29.97 non-drop frame timecode
NTSC 4:3	SDTV 4:3 29.27
PAL 16:9	SDTV 16:9 25
NTSC 16:9 non-drop	SDTV 16:9 29.97 non-drop frame timecode
NTSC 16:9	SDTV 16:9 29.97

HD TV Formats	
720p/50	HD720 16:9 50 progressive
720p/59.94 non-drop	HD720 16:9 59.94 progressive, non-drop frame timecode
720p/59.94	HD720 16:9 59.94 progressive
1080p/23.976	HDTV 1920x1080 23.976 progressive
1080p/24	HDTV 1920x1080 24 progressive
1080p/25	HDTV 1920x1080 25 progressive
1080p/29.97 non-drop	HDTV 1920x1080 29.97 progressive, non-drop frame timecode
1080p/29.97	HDTV 1920x1080 29.97 progressive
1080i/50	HDTV 1920x1080 50 interlaced
1080p/50	HDTV 1920x1080 50 progressive
1080i/59.94 non-drop	HDTV 1920x1080 59.94 interlaced, non-drop frame timecode
1080i/59.94	HDTV 1920x1080 59.94 interlaced
1080p/59.94 non-drop	HDTV 1920x1080 59.94 progressive, non-drop frame timecode
1080p/59.94	HDTV 1920x1080 59.94 progressive

UHD TV Formats	
2K/23.976	UHDTV 2048x1080 23.976
2K/24	UHDTV 2048x1080 24
2K/25	UHDTV 2048x1080 25
2K/29.97 non-drop	UHDTV 2048x1080 29.97 non-drop frame timecode
2K/29.97	UHDTV 2048x1080 29.97
2K/50	UHDTV 2048x1080 50
2K/59.94 non-drop	UHDTV 2048x1080 59.94 non-drop frame timecode
2K/59.94	UHDTV 2048x1080 59.94
UHD25	UHDTV 3840x2160 25

UHD TV Formats	
UHD29.97 non-drop	UHDTV 3840x2160 29.97 non-drop frame timecode
UHD29.97	UHDTV 3840x2160 29.97
UHDp/23.976	UHDTV 3840x2160 23.976
UHDp/24	UHDTV 3840x2160 24
4K/23.976	UHDTV 4096x2160 23.976
4K/24	UHDTV 4096x2160 24
4K/25	UHDTV 4096x2160 25
4K/29.97 non-drop	UHDTV 4096x2160 29.97 non-drop frame timecode
4K/29.97	UHDTV 4096x2160 29.97
4K/50	UHDTV 4096x2160 50
4K/59.94 non-drop	UHDTV 4096x2160 59.94 non-drop frame timecode
4K/59.94	UHDTV 4096x2160 59.94

2.2. Export

Export to File

Adobe Flash (FLV)
Microsoft Video (AVI) *uses pre-installed DirectShow filters
MPEG (MPG)
MP4 Flash (MP4)
MXF Operational Pattern 1A (MXF)/AS-03
QuickTime (QT) *uses pre-installed QT player
Real Media (RM)
SeaChange Export (SAF)
Sound Export (WAV)
Windows Media (WMV, WMA)
Export to EDL
Export to ALE
Export to XML
Export to XML (for Final Cut)

Export to Tape

DeckLink SDI
FireWire IEEE(1394) device
DVS SDI
AJA Kona Family

Export via Virtual VT

DVS SDI

Consolidate to Tape

DeckLink SDI
FireWire IEEE(1394) device
DVS SDI
AJA Kona Family

Consolidate via Virtual VT

DVS SDI

Export from Cinegy / Import to Avid

SD codecs	MXF DVSD 420/411 MXF DV25 411/411 MXF DV50 422 MXF IMX30 MXF IMX40 MXF IMX50 MXF Avid 15:1s
HD codecs	MXF DV100 MXF DNxHD 120/145 MXF DNxHD 185/220 MXF Avid 15:1s MXF XDCAM EX 35 Mbit MXF XDCAM HD 422 50 Mbit
*uses export job drop folder (Cinegy Convert)	