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PowerDVD 21

World's No. 1 Movie & Media Player

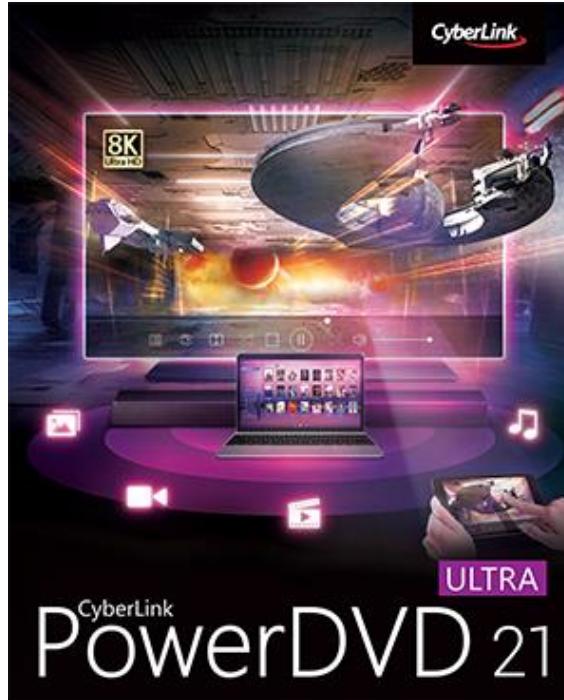
PRODUCT PRESENTATION





INTRODUCING PowerDVD 21

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Meet the last media player you'll ever need. PowerDVD is the perfect solution for any media format you can throw at it. From enhanced audio & visual playback to intuitive organizational tools, you can manage your entire media library of photos, videos, music, as well as Blu-ray and DVD movies, all in one easy-to-access app. Play, enhance, and share all of your favorite media with PowerDVD.



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FROM 8K TO BLU-RAY, POWERDVD CAN PLAY IT



PowerDVD is the world's best performing 4K and 8K Media Player with HDR10 support. Playback Blu-ray discs, ISO files and Ultra HD video files for an unparalleled audiovisual experience. Plus, with support for DTS HD Audio and Dolby True HD Audio, PowerDVD can deliver a cinema-like audio experience wherever you take it.



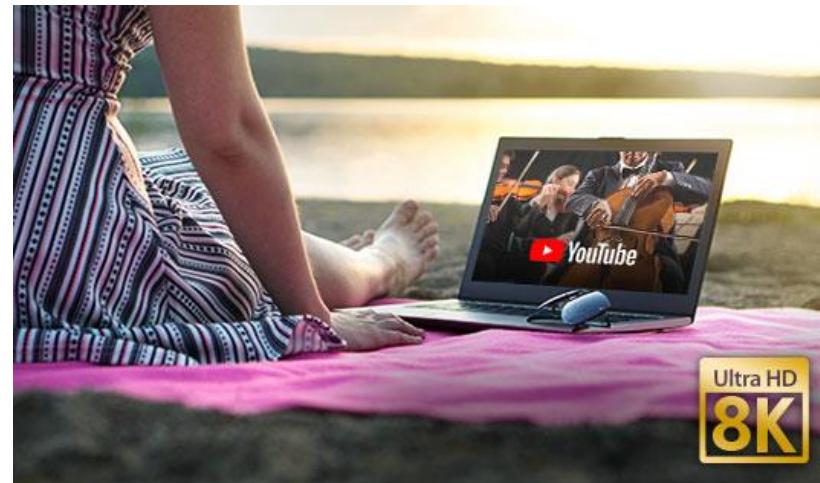
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SEE YOUTUBE LIKE NEVER BEFORE

Watch YouTube videos in up to 8k for a superior online viewing experience. Plus, you can use PowerDVD to download your favorite videos for offline viewing.



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ALL MAJOR FORMATS SUPPORTED

Upgrade your home cinema experience with stunning 8K video and support for 4K, HDR 10. Get HEVC, AVC & XAVC-S Hi-definition video playback and support for virtually any media format.



MP4 / MKV / HEVC / AVC / XAVC-S



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HEAR THE DIFFERENCE



Bring more detail and realism to movie night with Dolby Digital Surround, DTS and Hi-Res Audio support for up to 7.1



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A TOTALLY IMMERSIVE EXPERIENCE



Don't just watch movies, be in them. Put yourself at the center of the action with 360° video, VR video playback and spatial audio.



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A TRUETHEATER EXPERIENCE

Bring your favorite movies and videos to life with TrueTheater® enhancements. Enhance the quality of any media format with our proprietary playback technology that is designed to sharpen video, deepen colors, and enhance the audio fidelity of any file type.



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ON THE BIG SCREEN

Stream your movies and shows to your TV using any leading casting device such as Apple TV®, Fire TV™, Chromecast™, or Roku®.





ENJOY CONTENT ON MOBILE OR TABLET

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With CyberLink's 100GB cloud space included in PowerDVD 21, you can store hours of content and watch with the PowerPlayer app, wherever and whenever you choose.



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DON'T MISS A MOMENT

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Save time finding where you stopped watching. The resume playback feature returns you to exactly where you left off, even across different devices.



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SHARE WITH FAMILY & FRIENDS

It's easier than ever to share your favorite movies or shows. Upload your video to the CyberLink Cloud, copy a link, and share! No need to sign up or download an app, simply watch using the link in any web browser.



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MINIMUM SYSTEM REQUIREMENTS

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Operating System:

Ultra HD Blu-ray: Microsoft Windows 10 (64-bit with Fall Creators Update 2017 Oct. updates)

HDR10: Windows 10 (64-bit with October 2018 Update)

8K Video Playback: Microsoft Windows 10 (64-bit with Fall Creators Update 2017 Oct. updates)

4K Video Playback with TrueTheater: Microsoft Windows 10 (64-bit with Fall Creators Update 2017 Oct. updates)

Blu-ray Disc, DVD: Microsoft Windows 10, 8.1, 7 with Service Pack 1

VR Mode: Windows 10/8.1/7 with Service Pack 1



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MINIMUM SYSTEM REQUIREMENTS

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Processor (CPU):

Ultra HD Blu-ray: Intel 7th generation (Kaby Lake) Core i processors and above that support the Intel Software Guard Extensions (Intel SGX) technology.

VR Mode: Intel i5-4590, AMD FX 8350 equivalent.

Blu-ray Disc, DVD Playback:

Blu-ray Disc playback: Intel Core 2 Duo E6750 (2.66GHz), AMD Phenom 9450 (2.10GHz).

TrueTheater HD** for Blu-ray and HD video: Intel Core i5 (with 4 Cores), AMD Phenom II X6.

DVD playback: Pentium 4 (2.4 GHz), Athlon 64 2800+ (1.8 GHz), AMD Fusion E-series & C-series†.

** Note: Some Fox titles released from Jul. 2013 will not support TrueTheater HD.

† Note: PowerDVD maintains support for processors below 1.6 GHz disabling some non-essential features.

4K Video Playback with TrueTheater: Intel Kaby Lake Core i5 with HD (UHD) Graphics 630.

4K Ultra HD with Hardware Acceleration: Intel 3rd generation Core i5.

Media Library Sharing on Home Network: Intel 7th Generation Core i5 for single 1080p video real-time transcoding.

Note: CyberLink PowerDVD supports 4K Ultra HD video in H.264/MP4 format at bitrates up to 60 Mbps.



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MINIMUM SYSTEM REQUIREMENTS

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Graphics Processor (GPU):

8K Video with Hardware Acceleration:

Radeon RX 5500, NVIDIA GTX 10 series; Intel 7th Generation Core i7 (Kaby Lake) with HD (UHD) Graphics 630.

8K video output: GPU and 8K monitor with DisplayPort 1.4 or HDMI 2.1 support.

Note: CyberLink PowerDVD supports 8K Ultra HD video (up to 7680×4320 resolution, 30 FPS) in HEVC 8/10bits; VP9 8/10bits (depend on GPU ability).

Ultra HD Blu-ray: Intel 7th generation (Kaby Lake) Core i processors integrated with Intel HD Graphics 630, Intel Iris™ Graphics 640.

Note: Ultra HD Blu-ray is supported only if a display is powered by Intel Graphics and supports HDCP 2.2. If your computer includes more than one graphics processor, Ultra HD Blu-ray is supported only on the display that is connected and powered by Intel Graphics.

VR Mode: NVIDIA GeForce GTX 970, AMD Radeon R9 290 equivalent.

HDR 10 Video Playback: To view High Dynamic Range (HDR) effects from HDR10 Videos, Intel 7th Generation (Kaby Lake) Core i Processors integrated with Intel HD Graphics 630 or Intel Iris Graphics 640, AMD Radeon RX 400 series; RX 500 Series; RX Vega Series, and NVIDIA GTX 950/960, 1000 series (for HEVC HDR 10), RTX 2000 series, GTX 1080 Ti, GTX 1050, GTX 1050 Ti, or GT 1030 (for VP9 HDR 10).



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MINIMUM SYSTEM REQUIREMENTS

4K Ultra HD with Hardware Acceleration:

H.264/AVC: 3rd Generation Intel Core i5 (Ivy Bridge).

H.265/HEVC (8bits): 5th Generation Intel Core i5 (Broadwell) or NVIDIA GTX 960.

H.265/HEVC (10bits): 7th Generation Intel Core i5 (Kaby Lake) or Nvidia GTX 1060.

Note: CyberLink PowerDVD supports 4K Ultra HD video in H.264 / MP4 format at bitrates up to 60 Mbps.

4K Playback with TrueTheater:

Intel HD/UHD Graphics 630 or Intel Iris Graphics 640 for 4K 30 fps video.

NVIDIA GTX 1060 or AMD RX580 for 4K 60 fps video.

Blu-ray Disc, DVD, and TrueTheater HD Playback:

Intel HD Graphics, ATI Radeon HD 5000, NVIDIA GeForce 9500GT.

Note: We strongly recommend that you update your graphics card driver to the latest version.

DVD Playback:

PCI Express graphic accelerator supporting DirectX 9.0.





MINIMUM SYSTEM REQUIREMENTS

Mainboard (Motherboard):

Ultra HD Blu-ray: Ultra HD Blu-ray A mainboard is required which supports the Intel Software Guard Extensions (Intel SGX) technology. The Intel SGX feature needs to be enabled in the BIOS settings and allocated with 128 MB or above memory space. To view the HDR 10 effect of Ultra HD Blu-ray movies, a mainboard that supports exporting HDR 10 signal is required.

Note: To output Ultra HD Blu-ray movies to an external display, the connection port embedded on the mainboard must support HDCP 2.2. For laptop PCs, please refer to the specification of your laptop to see if the external display connection (HDMI/DisplayPort) supports HDCP 2.2 output.

HDR 10: To view HDR 10 video, a mainboard that supports exporting HDR 10 signal is required.





MINIMUM SYSTEM REQUIREMENTS

Memory:

4GB (6GB recommended) RAM

Hard Disk Space: 1GB Hard Disk space required for product installation.

Display Device:

Note: When playing video files on displays larger than Quad HD+ (or any file greater than 3300 X 1900 resolution), CyberLink PowerDVD enters a high performance mode that disables some non-essential playback features. In this mode the following features are unavailable: Video rotation. Video Scene Selector (Video mark in/out). Instant Preview. Instant Zoom (Zoom in/out). Dual subtitle display. Subtitle customization for font, color, and size. If required, you can disable high performance mode in video settings.

Ultra HD Blu-ray:

Display device with HDMI 2.0a/DisplayPort 1.3 connection interfaces, and must support HDCP 2.2.

Screen resolution: Ultra HD resolution (3840 x 2160).

Display connection: HDMI 2.0a/DisplayPort 1.3 version cable without any adapters/splitters/repeaters.

Note: To enable the High Dynamic Range (HDR) feature of Ultra HD Blu-ray movies, the display device must support the HDR display feature and 10-bit color depth display capability with an HDMI 2.0a/DisplayPort 1.4 connection interfaces. If your display device or GPU doesn't support the HDR feature, PowerDVD will play back the Ultra HD Blu-ray movie under Standard Dynamic Range (SDR) mode.

Blu-ray Disc, DVD Playback:

For Blu-ray titles with AACS and DVD titles with CPRM playback, PowerDVD only allows output to display devices using DVI, HDMI and DisplayPort connector in order to be compliant with copy protection (HDCP).

For other DVD and Blu-ray Disc playback: HDCP compliant display for digital output. TV or computer monitor for analog output.





FORMAT AND DEVICE SUPPORT

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Movies	BD-R 1.1/BD-RE 2.1, BD-R 2.0/BD-RE 3.0, BDROM 2.2, BD-J, BDROM Profile 1.1 (Bonus View), BDROM Profile 2.0 (BD-Live), BDROM Profile 6.0 (Ultra HD Blu-ray), AVCHD XAVC-S, DVD-Video, DVD-VR, DVD+VR, VCD, SVCD, CD, BD ISO, DVD ISO
Videos	Conventional Video: 264, 265, 26L, 3G2, 3GP, 3GP2, 3GPP, ASF, AVC, AVI, BSF, DIV, DIVX, DVR-MS, FLV ¹ , H264, H265, HEVC, JSV, JVT, M1V, M2P, M2T, M2TS, M2V, M4V, MKV, MOD, MOV ¹ , MP4, MP4V, MPE, MPEG, MPG, MPV, MTS, QT, TOD, TP, TPD, TRP, TS, TTS, VC1, VOB, VRO, WM, WMV, WTV ² , WEBM((VP9 + Opus/Vorbis)) 360 Video: Equirectangular format MP4 (H.264/265). Supports up to 4K resolution in 2:1 aspect ratio. HDR 10 Video: H.265 in MP4, MKV and M2TS, VP9 in WEBM



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Photos	BMP, JPEG, JPG, PNG, TIF, TIFF, ARW, CR2, CRW, DCR, DNG, ERF, KDC, MEF, MRW, NEF, ORF, PEF, RAF, RAW, RW2, SR2, SRF, X3F, GIF, HEIC/HEIF
Music	AAC ³ , AC3, ADTS ³ , AOB, APE, DTS, FLAC ⁴ , M4A (AAC, ALAC codec), MID, MKA, MP2, MP3, MPA, OGG, RMI, WAV, WMA, DSD Audio (DSF, DFF)
Subtitles	External (text): SubRip (.SRT), PowerDivX (.PSB), MicroDVD (.SUB), SubViewer (.SUB), SubStation Alpha (.SSA, .ASS), SAMI (*.SMI) External (image): VobSub (.sub+.idx) Embedded: MKV: SSA, ASS, SRT, PGS (Compressed PGS, Uncompressed PGS), VobSub MP4: VobSub, Embedded-Timed Text (MPEG4 PART-17)





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