

**Spin Digital HEVC/H.265 software media player (Spin Player)** enables ultra-high-quality video applications with 4K, 8K, and 16K resolution on commodity computing hardware.



spin player



HEVC/H.265 player for broadcast, immersive video projection, large screen visualization, virtual reality, and professional media.

**Spin Digital HEVC/H.265 media player** is ready for the next generation of high-quality video systems, providing support for Ultra HD (UHD), High Dynamic Range (HDR), High Frame Rate (HFR), Wide Color Gamut (WCG), and Virtual Reality (360° video).

### Product Highlights

- Pure software solution
- Up to 16K playback on a single workstation
- Professional video formats: 4:2:2 and 4:4:4
- 10-bit, HDR, and WCG support
- Color conversion and tone mapping
- Support for HLS streaming
- Interactive 360° video playback
- Next generation audio: 22.2 surround sound
- Easy-to-use graphical user interface

### HEVC/H.265 Media Player Package

- **Spin Player:** Full-featured media player based on Media Player Classic BE
- **Spin Dec:** Command line HEVC/H.265 decoder and video renderer
- **Spin Render:** Command line raw video renderer

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# SPIN DIGITAL MEDIA PLAYER

Support for the HEVC standard:

- Main and Main 10 profiles - up to Level 6.2 High tier
- Range Extensions (HEVCv2) profiles
- ARIB STD-B32 version 3.9 (8K with 4 slices)
- Tiles and wavefronts
- High-performance software decoder

Resolutions: 4Kp240, 8Kp120, 16Kp60

Color formats: 4:2:0, 4:2:2, 4:4:4, RGB

Bit depths:

- Decoding: 8-, 10-, 12-bit
- Rendering: 8-, 10-bit

Color spaces: BT.601, BT.709, DCI-P3, BT.2020

HDR: HDR10 (ST2084), HLG (STD-B67)

Color conversion: Color format, color space, color range, transfer function

Tone mapping: HDR to SDR conversion

Flexible image overlays

File formats: MP4, MPEG2-TS, MKV

Streaming formats: HLS

Multichannel audio: 5.1, 7.1, 22.2 with AAC codec

Rendering devices: GPU, SDI (AJA Corvid 88 3G)

Multi-device configurations: Single large surface (tiled), clone, alternate

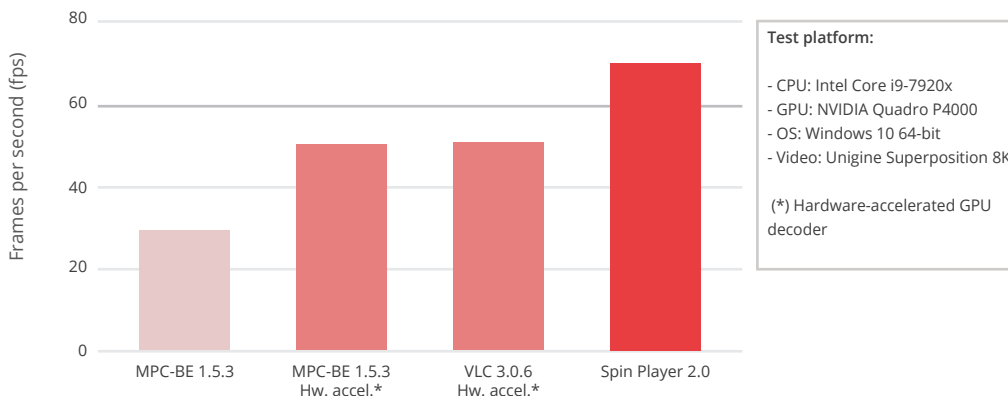
Interactive 360° video playback



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## MEDIA PLAYER PERFORMANCE

8Kp60, 4:2:0, 10-bit, 120 Mbps



## RECOMMENDED PLATFORMS FOR 8K PLAYBACK

OS: Windows 10 64-bit

Use case	Format	Bitrate	Platform
Distribution	8Kp60 4:2:0, 10-bit	70 - 120 Mbps	CPU: Intel Core i9-7920x (12 cores) GPU: NVIDIA Quadro P4000, or AMD Radeon Pro WX 7100
Contribution	8Kp60 4:2:2, 10-bit	200 - 250 Mbps	CPU: Intel Core i9-7960x (16 cores) GPU: NVIDIA Quadro P4000, or AMD Radeon Pro WX 7100
High Fidelity	8Kp60 RGB, 12-bit	500 - 600 Mbps	CPU: 2x Intel Xeon Platinum 8168 (48 cores) GPU: NVIDIA Quadro P4000, or AMD Radeon Pro WX 7100

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