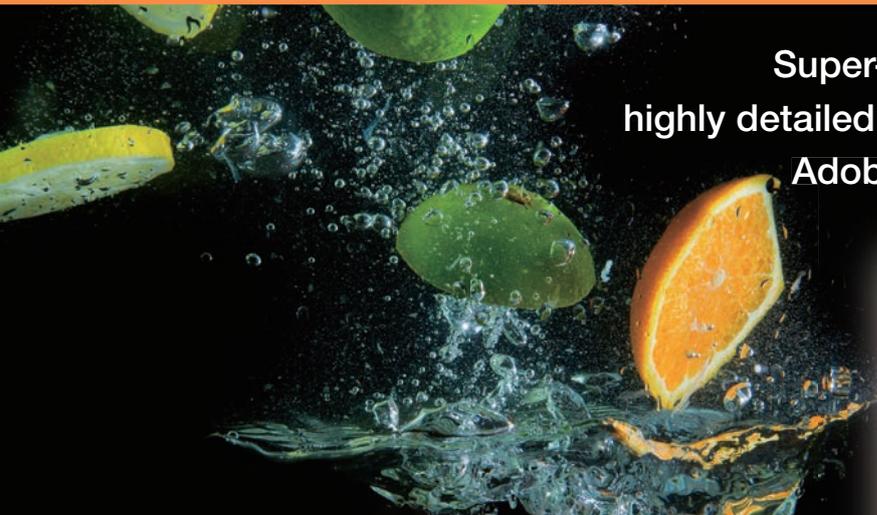




UP CONVERT EFFECT PLUG-IN APP



Super-resolution upconversion for sharp, highly detailed video. An upconversion plug-in for Adobe® Premiere® Pro CC in Windows®.



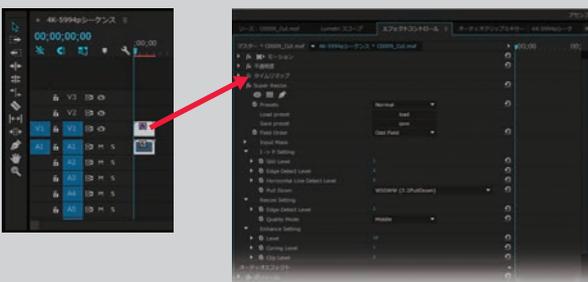
- Installed as a plug-in for Adobe® Premiere® Pro CC in Windows®. Can be applied as a timeline effect.
- High-quality conversion, even from HD to 4K, applying a conversion algorithm for spatiotemporal frame interpolation as performed by the URC-4000 Super Resolution 4K Up Converter. Maintains clarity and sharpness in interlaced-to-progressive conversion when processing diagonal lines and other details.
- Can also be used with telecined video from film. (23.98p conversion, using frame rate pulldown conversion and reverse telecine.)

Supported formats

- HD (1080/59.94i, 720/59.94p) → 4K (2160/59.94p)
- HD (1080/50i, 720/50p) → 4K (2160/50p)
- HD (1080/23.98p) → 4K (2160/59.94p)

- Pulldown-converted HD (1080/59.94i) → 4K (2160/59.94p)
- SD NTSC (525/59.94i) → HD (1080/59.94i, 720/59.94p)
- SD PAL (625/50i) → HD (1080/50i, 720/50p)

Applied to timelines as an effect



Upconvert by applying the Super Resize effect, just as you apply other plug-ins. Fine-tune the parameters to obtain optimal conversion results.

Smooth results, from spatiotemporal frame interpolation



Compared to typical resizing (left), spatiotemporal frame interpolation (right) produces images that are diagonally, significantly smoother.

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System requirements

| | |
|------------------|---|
| Operating system | Windows® 7 Professional (SP1) (64-bit) |
| CPU | 2 GHz Intel® Core™2 Duo or faster |
| Memory | 4 GB or more (8 GB or more recommended) |
| Disk space | 4 GB or more (10 GB or more recommended) |
| GPU | NVIDIA® CUDA™ 6.5-compatible graphics card 2 GB or more of VRAM required for 4K conversion (Quadro series recommended) |
| Sound card | Microsoft® WDM or ASIO compatible |
| Monitor | 1280 x 800 or higher resolution, full-color (24-bit) display supported |
| Network port | Ethernet 1 port or more, 100BASE-TX/1000BASE-T |
| Software | Windows® Adobe® Premiere® Pro CC |
| Other | Internet connection (required for license verification and online services) |

Reference: Plug-in rendering time

| | PC: HP Z840 Workstation | PC: HP Z440 Workstation |
|---------------------------|--|---|
| | CPU: Intel® Xeon® CPU E5-2637 v3 @ 3.50 GHz 3.49 GHz (2 processors) | CPU: Intel® Xeon® CPU E5-1603 v3 @ 2.80 GHz 2.70 GHz |
| | Memory: 32.0 GB | Memory: 8.0 GB |
| | GPU: Quadro K6000 VRAM:12 GB GDDR5 | GPU: Quadro K2200 VRAM:4 GB GDDR5 |
| NTSC → HD1080 59.94i | x2.2 | x4.2 |
| NTSC → 720 60p | x1.6 | x2.2 |
| PAL → HD1080 59.94i | x1.9 | x3.0 |
| PAL → 720 50p | x1.4 | x1.7 |
| HD1080 59.94i → 4K 59.94p | x11.0 | x22.7 |
| HD1080 59.94i → 4K 23.98p | x4.1 | x11.9 |
| HD1080 50i → 4K 50p | x10.9 | x17.7 |
| 720 60p → 4K 59.94p | x9.5 | x20.8 |
| 720 50p → 4K 50p | x8.1 | x16.0 |
| HD1080 23.98p → 4K 59.94p | x5.3 | x9.2 |
| HD1080 23.98p → 4K 23.98p | x5.1 | x8.2 |

Plug-in notes

- This plug-in is designed for the Windows® version of Adobe® Premiere® Pro CC. It is not designed for use on Macintosh® computers. The plug-in is not compatible with versions of Premiere® other than Premiere® Pro CC.
- A CUDA™-compatible GPU is required. The plug-in is not compatible with non-CUDA™ graphics cards. At a minimum, the GPU listed in the system requirements must be used.
- Use the most recent GPU driver available. However, stability may be an issue when some versions of the driver and Premiere® Pro CC are used together. In such case, use an earlier driver. Operation has been confirmed with the following combination of software:
Premiere® Pro CC 9.0.1 (36) build used with GPU driver version 341.61
- When the plug-in is used with GPUs of some specifications, a taskbar message may be displayed indicating that the display driver stopped responding and has recovered, and Premiere® Pro CC may suddenly stop working. In such case, refer to the plug-in documentation.
- An encoding error may occur if you use Premiere® Pro CC 2014 with source material in MXF OP1a formats such as AVC-Intra, DVCPRO, XDCAM HD, or IMX.
- When the plug-in is set to [HD → 4K], the color space is not converted from BT.709 to BT.2020. (Future support is planned.)

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- Adobe Premiere Pro is a registered trademark of Adobe Systems Incorporated.
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- XDCAM is a trademark of Sony Corporation.
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